

# **SERVICE MANUAL**

#### REAR PROJECTION TELEVISION

## AV-N48P76/H

BASIC CHASSIS RP

The following items for the AV-N48P76/H was changed partly from AV-48P575/H.

Therefore, this service manual describes only the items which differ from those of the AV-48P575/H service manual.

For details other than those described in this manual, please refer to the AV-48P575/H service manual (No.YA091, 2004/4).

## **DIFFERENCE LIST**

#### **EXPLODED VIEW PARTS LIST-1** (Page 3-3)

$\Lambda$	Ref. No.	Part No.		PART NAME	DESCRIPTION	
**	Rei. No.	AV-48P575/H	AV-N48P76/H	PART NAIVIE	DESCRIPTION	
Λ	32	LC31139-001A-A		RATING LABEL	Not supply	

#### PACKING PARTS LIST (Page 3-27)

$\Lambda$	Ref. No.	Par	No.	PART NAME	DESCRIPTION	
	Kei. No.	AV-48P575/H	AV-N48P76/H	PART NAME	DESCRIPTION	
Λ	8	LCT1609-001A-A	LCT1974-001A-A	INST BOOK	English	
⚠	9	LCT1610-001A-A		INST BOOK	Delete	
	11	BT-51034-1Q		REGIST. CARD	Delete	
	12	BT-52006-2Q		WARRANTY CARD	Delete	

# SECTION 1 PRECAUTION

Please refer to "AV-48P575/H (No.YA091)" about this section.

# SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

Please refer to "AV-48P575/H (No.YA091)" about this section.

# SECTION 3 DISASSEMBLY

Please refer to "AV-48P575/H (No.YA091)" about this section.

# SECTION 4 ADJUSTMENT

Please refer to "AV-48P575/H (No.YA091)" about this section.

# SECTION 5 TROUBLESHOOTING

Please refer to "AV-48P575/H (No.YA091)" about this section.



# JVC

# **SERVICE MANUAL**

### REAR PROJECTION TELEVISION

AV-48Р575/н, AV-56Р575/н, AV-56Р585/н



BASIC CHASSIS



#### **TABLE OF CONTENTS**

1	PRECAUTION	I <b>-</b> 3
2	SPECIFIC SERVICE INSTRUCTIONS 1	I -5
3	DISASSEMBLY 1-	10
4	ADJUSTMENT 1-	19
5	TROUBLESHOOTING	60

#### **SPECIFICATION**

Items		Contents				
		AV-48P575	AV-56P575 / AV-56P585			
Dimensions (W $\times$ H $\times$ D)		120.0cm × 118.9cm × 62.2cm (47-1/4" × 46-7/8" × 24-1/2")	136.8cm × 129.6cm × 66.7cm (53-7/8" × 51-1/8" × 26-3/8")			
Mass		72 kg ( 159 lbs )	80 kg ( 176 lbs )			
TV RF System		CCIR (M)	, , , , , , , , , , , , , , , , , , , ,			
Color System		NTSC				
Sound System		BTSC system (Multi Channel Sound)				
Teletext System		Closed caption (T1-T4 / C1-C4)				
Receiving Channels	VHF Low	02ch~06ch : 54MHz~88MHz				
and Frequency		n 07ch~13ch : 174MHz~216MHz - 14ch~69ch : 470MHz~806MHz				
CATV Receiving Channels and Frequency	CATV	/ 54MHz~804MHz Low Band: 02~06 High Band: 07~13 Mid Band: A~I by 14~22 Super Band: J~W by 23~36 Hyper Band: W+1~W+28 by 37~64 Ultra Band: W+29~W+58, W+59~W+84 by 65~94, 100~125 Sub Mid Band: A-8, A-4~A-1 by 01, 96~99				
TV / CATV Total Channel		180 Channels				
Intermediate Frequency	Video IF	45.75MHz				
, ,	Sound IF	41.25MHz (4.5MHz)				
Color Sub Carrier		3.58MHz				
Power Input		AC 120V, 60Hz				
Power Consumption		248W (Max)				
Screen		Transparent screen (unitized fresnel lens / double lenticular lens)				
Screen Size		48" (122cm) Measured diagonally 16:9 ratio (W:106.3 cm, H:59.8 cm)	56" (142cm) Measured diagonally, 16:9 ratio (W:124 cm, H:69.8 cm)			
Projection Tube		17cm (6.7") tube × 3 ( R/G/B )				
High Voltage		31kV+1.0kV/-1.3kV (at zero beam curre	ent)			
Speaker		13cm round type × 2				
Audio Power Output		10W+10W				
Antenna Terminal		$75\Omega$ unbalanced, F-type connector × 1				
External Input (1/2/3/4)	Component Video [INPUT-1/2]	RCA pin jack × 6	ua avra ) 750			
	·	i Y : 1V (p-p) (Sync signal: ±0.35V, 3-value sync.), 75Ω Pb/Pr : ±0.35V, 75Ω Y : 1V (p-p) Positive (Negative sync provided), 75Ω				
	[INPUT-1/3/4]	Pb/Pr : 0.7V, 75Ω  Mini-DIN 4pin × 3  Y: 1V (p-p) positive (Negative sync provided), 75Ω  C: 0.286V(p-p) (burst signal)  1V (p-p) positive (Negative sync provided), 75Ω (RCA pin jack × 4)				
		500mV(rms) (-4dBs), high impedance (RCA pin jack × 9)				
Digital Input	Video	HDMI connector (Digital-input terminal is not compatible with computer signal) dio Digital : HDMI connector Analog : 500mV(rms) (-4dBs), high impedance (RCA pin jack × 2)				
Audio Output (FIX)		500mV(rms) (-4dBs), low impedance (1kHz when modulated 100%) (RCA pin jack × 2)				
AV Compulink III		3.5mm mini jack × 1				
Remote Control Unit		RM-C1257G (AA/R6/UM-3 battery × 2)				

Design & specifications are subject to change without notice.

# SECTION 1 PRECAUTION

#### 1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by ( ♠ ) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

#### (4) Use isolation transformer when hot chassis.

The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.

- (5) Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.

  Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (⊥) side GND, the ISOLATED (NEUTRAL): (⅓) side GND and EARTH: (⅓) side GND.

  Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (6) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).
- (7) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (8) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a  $10 \text{k}\Omega$  2W resistor to the anode button.
- (9) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

#### (10) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

#### a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.

(.... Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

#### b) Leakage Current Check

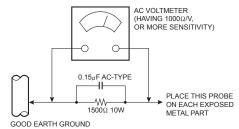
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

#### **Alternate Check Method**

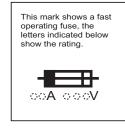
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having  $1000\Omega$  per volt or more sensitivity in the following manner. Connect a  $1500\Omega$  10W resistor paralleled by a  $0.15\mu F$  AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

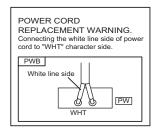
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



#### (11) High voltage hold down circuit check.

After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly. See item "How to check the high voltage hold down circuit".





#### 1.2 INSTALLATION

#### 1.2.1 INSTALLATION SITE

- (1) The rear of this set is provided with ventilation openings. Install the set more than 5 cm from a wall and in a location with good ventilation.
- (2) Avoid the following types of locations.
  - a) Unstable locations (location must be able to withstand heavy weight).
  - b) Locations subjected to direct sunlight.
  - c) Near stoves or other heating devices.
  - d) Locations subjected to humidity or oily smoke.
  - e) Dusty locations.
  - f) Locations with strong vibration.

#### 1.2.2 INSTALLATION ADJUSTMENT

When installing, moving or changing the orientation of the set, perform static convergence adjustment according to the following procedure.

Adjusting CRT color convergence have two method, AUTO, MANUAL and RESET. It adjust on the MENU screen.

#### NOTE:

Please have you TV on for at least 20 minutes before sing this feature.

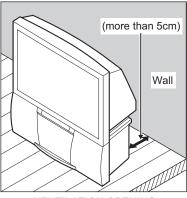
This adjustment will be needed only when the colors of the characters/lines are separated and lack in distinction. If not, please don't perform the adjustment.

#### **AUTO**

- (1) Press the [MENU] key, and select the "CONVERGENCE" in the INITIAL SETUP menu with [function up/down] key.
- (2) Press the [function left/right] key, then CONVERGENCE menu appear.
- (3) Press the [function up/down] key, and select the "AUTO".
- (4) Press the [function left/right] key.
- (5) The convergence adjustment will start. It will take about 25 seconds.

#### MANUAL

- (1) Press the [MENU] key, and select the "CONVERGENCE" in the INITIAL SETUP menu with [function up/down] key.
- (2) Press the [function left/right] key, the CONVERGENCE menu appears.
- (3) Press the [function up/down] key, and select the "MANUAL".
- (4) Press the [function left/right] key, then CONVERGENCE adjustment screen appear. [Fig.1]
  - If all the crosses are white, no convergence adjustment is needed.
- (5) Select the location you want to adjust by using the [number (2/4/5/6/8)] keys on the remote control unit. [Fig.2]
- (6) Press the [SELECT] key to change the color of the box to the color of the cross you want to adjust (red or blue).
  - You cannot adjust the green cross.
- (7) Use the [function up/down] key and the [function left/ right] keys to adjust the position of the cross.
- (8) Adjust the three colors crosses until they overlap and appear as a single white cross.
- (9) Press the [OK] key.



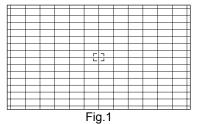
**VENTILATION OPENING** 

#### NOTE:

- When you adjust the convergence, make sure you start with the center position (position 5), and work your way around radial for best results.
- When you make the adjustment in the center (positions 5), you are making the adjustment for the whale screen. In other positions, you are making the adjustment only in that area.
- You can reset the adjustment if you do not like the results, See below.
- If you perform AUTO CONVERGENCE after performing MANUAL CONVERGENCE, your manual convergence you performed will be cancelled.
- (10) Press the [menu] key to end the convergence adjustment procedure.

#### **RESET**

RESET in the CONVERGENCE menu resets all convergence adjustments to the factory default setting.



2 ↑ 15] → 6 ↓ 8 Fig.2

# SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

#### 2.1 FEATURES

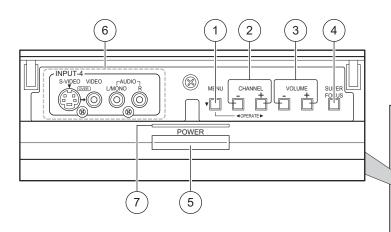
- · Rear Projection HDTV.
- New chassis design enable use of an interactive on screen control.
- 3-2 PULL DOWN: You can enjoy DVD movies at the highest picture quality.
- MOTION COMPENSATION: With this function, the seamless reproduction of dynamic motion on the screen has been realized.
- Bullet-in DSD (Digital Super Detail) circuit and 3 dimension Y/ C separate circuit.
- Receive DTV broadcast (1080i / 720p / 480p / 480i)
- Built-in HDMI / Component (Y / Pb / Pr) input.
- · Built-in A.H.S., BBE circuit.
- Smart Sound and Smart Caption are available (AV-56P585 only).

#### 2.2 DIFFERENCE LIST

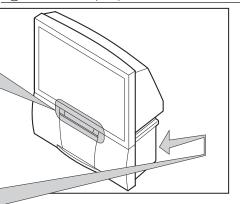
Item	AV-48P575	AV-56P575	AV-56P585
Smart Sound			available
Smart Caption			available

#### 2.3 FUNCTIONS

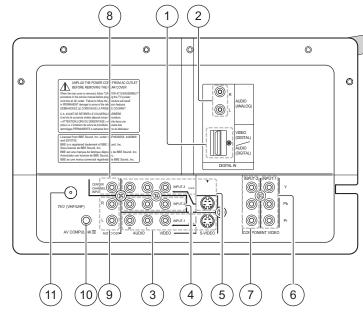




- 1) MENU ( OPERATE ▼ ) button
- (2) CHANNEL -/+ ( OPERATE ∢ / ▶ ) buttons
- 3 VOLUME -/+ buttons
- (4) SUPER FOCUS button
- (5) POWER button
- 6 INPUT-4 terminal ( S-VIDEO / VIDEO / AUDIO )
- 7 POWER LED (blue)

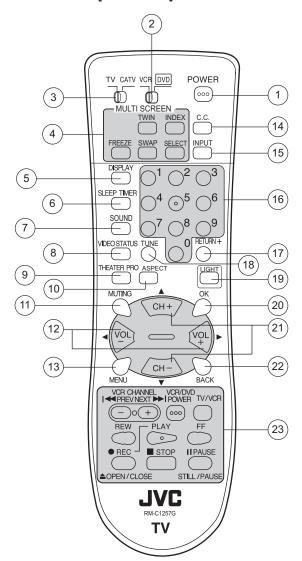


#### REAR TERMINAL



- DIGITAL IN terminal
   ( HDMI connector : VIDEO / AUDIO )
- (2) AUDIO INPUT (For DIGITAL IN) terminal
- (3) INPUT-1 terminal (S-VIDEO / VIDEO / AUDIO )
- (4) INPUT-2 terminal (VIDEO / AUDIO)
- (5) INPUT-3 terminal (S-VIDEO / VIDEO / AUDIO )
- 6 INPUT-1 COMPONENT VIDEO terminal (Y/Pb/Pr)
- (7) INPUT-2 COMPONENT VIDEO terminal (Y/Pb/Pr)
- (8) CENTER CHANNEL INPUT terminal
- (9) AUDIO OUT terminal
- (10) AV COMPULINK III
- (11) Antenna Terminal (VHF/UHF)

#### REMOTE CONTROL UNIT [RM-C1257G]



1 POWER key 2 VCR / DVD switch 3 TV / CATV switch 4 MULTI SCREEN operation keys 5 DISPLAY key 6 SLEEP TIMER key 7 SOUND key 8 VIDEO STATUS key 9 THEATER PRO key 10 ASPECT key (11) MUTING key (memory key) 12 VOL+/- ( **( / )** ) keys (13) MENU key (14) C.C.(Closed Caption) key (15) INPUT key 16 Number (1~0) keys (17) RETURN+ key 18 TUNE key 19 LIGHT key (20) OK key (21) CH+/- (▲/▼) keys

22) BACK key

23) VCR / DVD operation keys

#### 2.4 TECHNICAL INFORMATION

#### 2.4.1 MAIN MICRO COMPUTER (CPU) FUNCTION (MN102H75K)

Pin No.	Pin name	I/O	Function
1	NC	0	
2	/MICON_V	I	V.sync for OSD
3	LB_PRO	I	Low B protection detection [Protection:H]
4	NC	-	
5	/RST	I	Main CPU reset [Reset:L]
6	NC	0	
7	/TEST	I	+3.3V
8	OSD_YS	0	OSD Ys (blanking)
9	SDA4	I/O	I <sup>2</sup> C bus (data) for JCC5055
10	NC	0	
11	A_MU	0	Audio muting [Muting:H]
12	/MICON_H	I	H sync for OSD
13	NC	0	
14	P46,OSDXI	I	Oscillation for OSD
15	P45,OSDXO	0	Oscillation for OSD
16	SDA2	I/O	I <sup>2</sup> C bus (data) for MTS
17	AC-IN	I	AC for timer count
18	SCL2	0	I <sup>2</sup> C bus (clock) for MTS
19	NC	0	
20	VCOI	I	LPF
21	PDO	0	LPF
22	/IP_RESET	0	Reset for DIST [Reset:L]
23	OSD_YM	0	OSD Ym (transparence)
24	OSD_B	0	OSD blue
25	POWER_LED	0	Lighting for POWER LED [HIGH / ON:H]
26	OSD_G	0	OSD green
27	OSD_R	0	OSD red
28	VREF	I	Reference voltage for OSD
29	IP_ERR	I	DIST program load detect.
30	IREF	I	Reference current for OSD
31	COMP	I	Phase adjust for OSD
32	AVDD	I	+3.3V
33	CLL	I	Clamp low level
34	VREFLS	I	Reference voltage for SUB CCD
35	SUB_CCD	I	Video for sub closed caption decoder
36	NC	-	
37	VSS	I	GND
38	MAIN_CCD	I	Video for main closed caption decorder
39	VREFHS	Ι	Reference voltage for MAIN CCD
40	CLH	Ι	Clamp high level
41	VDD/VPP	Ι	+3.3V
42	SCL4	0	I <sup>2</sup> C bus (data) for JCC5055
43	NC	0	

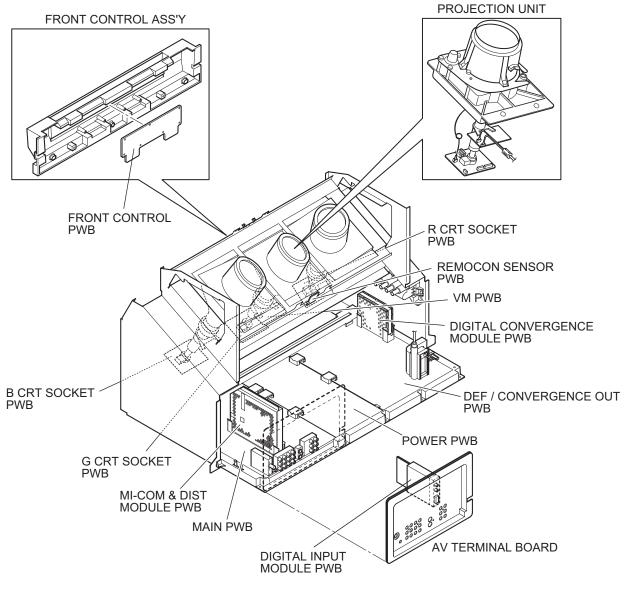
Pin No.	Pin name	I/O	Function
44	ON_TIM	0	Lighting for on timer operating [LOW / ON:H]
45	SBO 0	0	Convergence control [RXD]
46	SBD 0	I	Convergence control [TXD]
47	SBT1	I	
48	AP_DATA	-	
49	BS_RST	-	
50	SQR	-	
51	BS1.5CTL	-	
52	NC	0	
53	NC	0	
54	DC_COTL	0	Black level DC reproduce control
55	NC	0	
56	NC	0	
57	NC	0	
58	/LOB_POW	0	LowB power control [Power on:L]
59	COMPULINK	I	AV COMPULINK III control
60	/POWERGOOD	I	Power condition check
61	/MECA_ON	I	Machine SW interrupt [Pushing:L]
62	/MAIN_POW	0	Main power control [Power on :L]
63	NC	-	
64	/B1 POW	0	B1 power control [Power on:L]
65	AFC	I	AFT voltage
66	X_RAY	I	X-ray protection detection [Protection : 2.0V]
67	SPRIT	0	NC
68	KEY2	I	Front key scan 2 (CH+, VOL-/+)
69	KEY1	I	Front key scan 1 (MENU, CH-)
70	SCL1	0	I <sup>2</sup> C bus (clock) for EEP-ROM
71	SDA1	I/O	I <sup>2</sup> C bus (data) for EEP-ROM
72	REMO	I	Remote control
73	NC	0	
74	VSS	I	GND
75	OSC2	0	4MHz oscillation for system clock
76	OSC1	I	4MHz oscillation for system clock
77	VDD	I	+3.3V
78	SCL0	0	I <sup>2</sup> C bus (clock) for general
79	AP_CLK	0	
80	SDA0	I/O	I <sup>2</sup> C bus (data) for general
81	NC	0	
82	NC	0	
83	NC	-	
84	P_MU	0	Picture muting [Muting:H]

#### 2.5 MAIN PARTS LOCATION

#### 2.5.1 PWB ASS'Y ARRANGEMENT

The PWB ASS'Y is indicated below.

PWB ASS'Y name	AV-48P575HA	AV-56P575HA	AV-56P585HA
MAIN PWB ASS'Y	SRP-1003A-M2	SRP-1004A-M2	SRP-1002A-M2
MI-COM & DIST MODULE PWB ASS'Y	SRP0D001A-M2	<b>←</b>	<b>←</b>
POWER PWB ASS'Y	SRP-9001A-M2	<b>←</b>	<b>←</b>
DEF / CONVERGENCE OUT PWB ASS'Y	SRP-2002A-M2	<b>←</b>	<b>←</b>
DIGITAL CONVERGENCE MODULE PWB ASS'Y	SRP0K003A-M2	SRP0K002A-M2	<b>←</b>
DIGITAL INPUT MODULE PWB ASS'Y	SRP-7803A-M2	SRP-7804A-M2	SRP-7802A-M2
FRONT CONTROL PWB ASS'Y	SRP0L001A-M2	<b>←</b>	<b>←</b>
REMOCON SENSOR PWB ASS'Y	SRP-8001A-M2	<b>←</b>	<b>←</b>
VM PWB ASS'Y	SRP-7201A-M2	<b>←</b>	<b>←</b>
R CRT SOCKET PWB ASS'Y	SRP-3101A-M2	<b>←</b>	<b>←</b>
G CRT SOCKET PWB ASS'Y	SRP-3201A-M2	<b>←</b>	<b>←</b>
B CRT SOCKET PWB ASS'Y	SRP-3301A-M2	<b>←</b>	<b>←</b>



(This figure is only MAIN UNIT)

#### 2.6 SCREEN HANDLING CAUTIONS

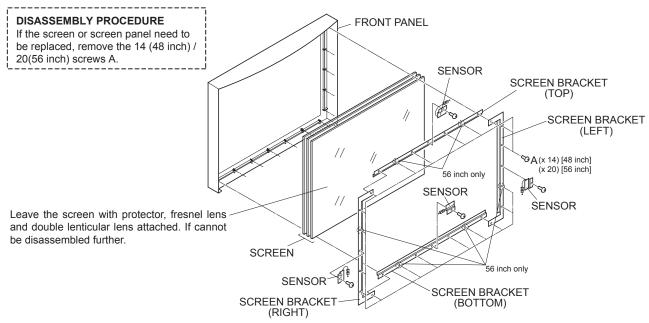
#### 2.6.1 SCREEN STORAGE

**Store the SCREEN ASS'Y** in a standing position in order to avoid deformation. If the screen is stored horizontally, there is risk of deforming the screen face.

When necessary to place the SCREEN ASS'Y horizontally, position the screen side upwards and sure to place spacers between the screen and resting site (floor or stand etc.) to prevent the screen from sagging.

#### 2.6.2 SCREEN SURFACE

Since the screen surface is easily scratched or soiled, use ample care when handling.



#### 2.7 PROJECTION UNIT REPLACEMENT

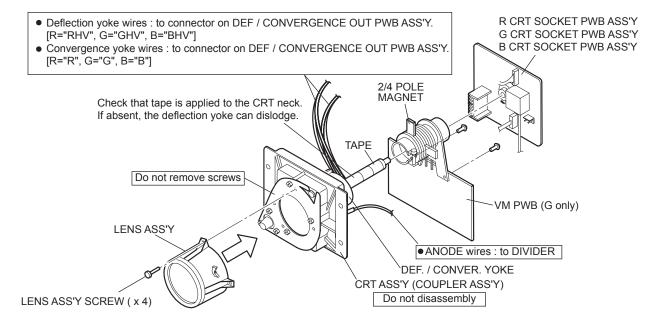
#### 2.7.1 ADJUSTMENT DURING REPLACEMENT

When replacing the three R, G and B projection units, first replace the R and B units and perform focus / screen / raster centering adjustments with reference to the G unit. Then replace the G unit and perform G focus / screen / convergence adjustment. Finally perform R & B . Convergence adjustments. Use care to simultaneously removes all three-projection units.

#### 2.7.2 DISASSEMBLY CAUTION

The projection units include locations that are not to be disassembled during service. When replacing projection unit parts, disassemble to the state indicated in the figure below.

The figure indicates screws and wires that are not to be removed. Use care not to remove these.



# SECTION 3 DISASSEMBLY

#### 3.1 DISASSEMBLY PROCEDURE

 Make sure that the power cord is pulled out from the AC wall socket.

#### 3.1.1 SPEAKER GRILLE

- (1) Remove 2 screws [ A ] from rear side.
- (2) The SPEAKER GRILLE bottom is pulled to the front, and four claws which are fixing the SPEAKER GRILLE are removed.
- (3) Take out the SPEAKER GRILLE.
- \*Remove the both side SPEAKER GRILLE same manner.

#### 3.1.2 SPEAKER

- Take out the SPEAKER GRILLE.
  - (1) Remove 4 screws [B].
  - (2) Take out the SPEAKER.
  - (3) Disconnect the speaker wire from speaker terminal.
- \*Remove the both side SPEAKER same manner.

#### 3.1.3 FRONT PANEL

- Take out the SPEAKER GRILLE.
  - (1) Remove 4 screws [ C ].
  - (2) The FRONT PANEL upper is pulled to the front, and two claws which are fixing the FRONT PANEL are removed.
  - (3) Take out the FRONT PANEL.

#### 3.1.4 FRONT CONTROL BOX

- · Take out the SPEAKER GRILLE.
- · Take out the FRONT PANEL.
  - (1) Remove 5 screws [ D ].
  - (2) Disconnect the connector [CN001H], [CN001G], [CN00R] on the FRONT CONTROL PWB.
  - (3) Take out the FRONT CONTROL BOX.

#### 3.1.5 FRONT CONTROL PWB

- · Take out the FRONT CONTROL BOX.
  - (1) Remove 2 screws [E].
  - (2) Remove 3 screws [F] from rear side of FRONT CONTROL BOX.
  - (3) Take out the FRONT CONTROL PWB.

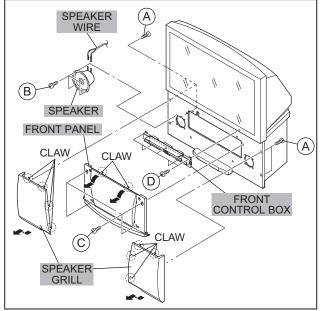


Fig.1

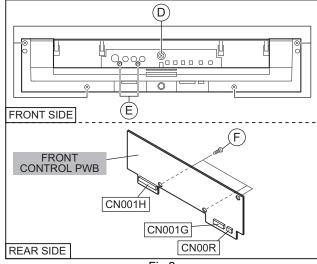


Fig.2

# POWER CORD POWER CORD POWER CORD POWER CORD POWER CORD Prior to disassembly outlet without fail. (T Short the SB con DIGITAL INPUT MO Before the rear panthe short-circuit bet [2] pin of the DIG After releasing the connectors, do not do is inserted into the or the inactivation of the short-circuit bet connectors, do not do is inserted into the or the inactivation of the short-circuit bet connectors, do not do is inserted into the or the inactivation of the short-circuit bet connectors.

Prior to disassembly, unplug the power code from the AC

outlet without fail. (Turn the power "off".)

- Short the SB connector [1] pin and [2] pin of the DIGITAL INPUT MODULE. (At the time of assembling)
- Before the rear panel is inserted into the cabinet, release the short-circuit between the SB connector [1] pin and [2] pin of the DIGITAL INPUT MODULE.
- After releasing the short-circuit between the SB connectors, do not turn the power on until the rear panel is inserted into the cabinet.
- \* Negligence in carrying out the above steps may cause the inactivation of the TV.

#### 3.1.6 SCREEN ASS'Y

- · Take out the SPEAKER GRILLE.
- · Take out the FRONT CONTROL BOX.
  - (1) Disconnect the connector [ CN00Z ]
  - (2) Remove 4 screws [ G ] attaching the SCREEN ASS'Y.
  - (3) Remove 10 screws [H] from rear side.
  - (4) Take out the SCREEN ASS'Y.

#### NOTE:

- Please place the SCREEN ASS'Y on a flat table without fail.
- · Because of the large size, at least two parsons are recommended for removal and reassemble.
- · Use core not to scratch the screen during work.
- · During assembly, be sure to engage the left and right tabs with the cabinet mounting positions.
- · When than sporting the SCREEN ASS'Y, avoid grasping the top of the screen panel, instead grasp the left and right areas.

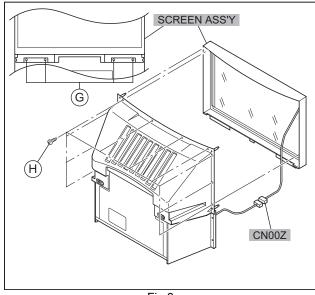


Fig.3

#### 3.1.7 CONVERGENCE SENSOR

- · Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
- · Take out the SCREEN ASS'Y.
  - (1) Remove the 1 screw [1] attaching the SENSOR HOLDER.
  - (2) Remove the claw of the SENSOR HOLDER to take out the CONVERGENCE SENSOR.
  - (3) Take out the others CONVERGENCE SENSOR same manner.

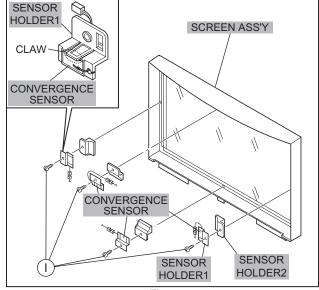


Fig.4

#### **3.1.8 MIRROR**

- · Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
- · Take out the SCREEN ASS'Y.
  - (1) Remove 9 screws [ J ] attaching the mirror brackets of the upper, left and right side.
  - (2) Raise slightly to disengage of the mirror from the bottom bracket. (If necessary, loosen the screws attaching the bottom bracket)
  - (3) Take out the MIRROR.

#### NOTE:

- The MIRROR is frontcoated. Do not touch the front of the MIRROR.
- · At least 2 persons are recommended for removable and reassemble.

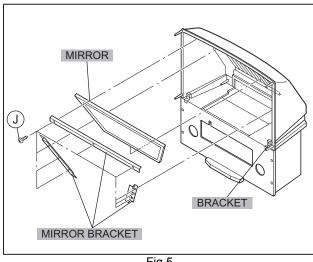


Fig.5

#### 3.1.9 REAR PANEL

- (1) Remove 6 screws [K].
- (2) Remove 4 screws [ L ].
- (3) Take out the REAR PANEL.

#### NOTE:

- Before the rear panel is inserted into the cabinet, release the short-circuit between the [SB] connector (1) pin and (2) pin of the DIGITAL INPUT UNIT. (Refer to "CAUTION AT DISASSEMBLY" on Page 10).
- After releasing the short-circuit between the [SB] connectors, do not turn the power on until the rear panel is inserted into the cabinet.
- Prior to starting the work, be sure to read the following written instructions on the CAUTION LABEL attached to the REAR PANEL.

# ⚠Prior to starting the work, be sure to read the following written instructions on the CAUTION LABEL attached to the REAR PANEL.

UNPLUG THE POWER CORD FROM AC OUTLET BEFORE OPEN THE REAR COVER (PANEL).

When the rear cover (panel) is removed, follow "CAUTION AT DISASSEMBLY" procedure in the service manual before plugging the TV's power cord into an AC outlet.

Failure to follow the procedure will result in PERMANENT damage to some of the television features.



- · Take out the REAR PANEL.
  - (1) Pull out the PARTITION backward.



- · Take out the SPEAKER GRILLE.
- · Take out the FRONT CONTROL BOX.
- Take out the SCREEN ASS'Y.
  - (1) Remove 2 screws [ M ].
  - (2) Remove 2 screws [ N ] from front side.
  - (3) Slightly pull for backside to disengage of the REAR COVER from hooks.
  - (4) Take out the REAR COVER.

#### NOTE:

 Because of the large size, at least two persons are recommended for removal and reassemble.

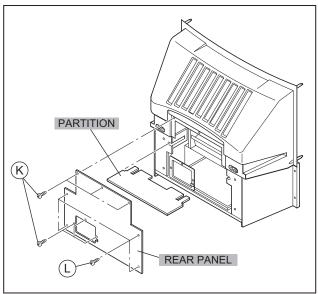


Fig.6

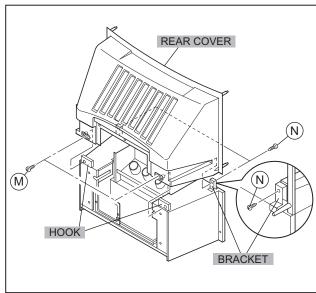


Fig.7

#### **3.1.12 MAIN UNIT**

- · Take out the SPEAKER GRILLE.
- Take out the FRONT PANEL.
- · Take out the REAR PANEL.
  - (1) Remove 4 screws [ O ] from front side.
  - (2) Take out the connector [CN00R], [CN001G], [CN001H] on the FRONT CONTROL PWB.
  - (3) Take out the connector [CN00Z] on the DEF & CONVERGENCE OUT PWB.
  - (4) Remove 2 screws [ P ] attaching the MAIN CHASSIS and
  - (5) Pull out the MAIN UNIT rear side.

#### NOTE:

- Except for confirmation of projection of images on the screen and audio output through the speakers, the removed MAIN UNIT is still workable in the same state as if it is still built in the TV set. Therefore, the MAIN UNIT can be removed, if necessary, for board diagnosis, electric testing, etc. apart from confirmation of screen images and audio output.
- When wire clamps are removed during work, use care to restore them precisely to their original positions.
   Performance can be affected if these are not returned to the original positions.
- Because of the large size, at least two persons are recommended for removal and reassemble.
- When carrying the MAIN UNIT, use care not to drop, shock or shake it.
- Do not stain or damage the lens of the PROJECTION UNIT.
- Do not look the projection side of a PROJECTION UNIT when the image is projected.



When checking the MAIN PWB, POWER PWB, DEF & CONVERGENCE OUT PWB, etc., raise the MAIN UNIT with the front side down for the make of convenience.

#### 3.1.13 FOCUS PACK

- · Take out the MAIN UNIT.
  - (1) Remove 1 screw [ Q ].
  - (2) Take out the FOCUS PACK.
  - (3) Take out 9 wires connecting the FOCUS PACK.

#### 3.1.14 AV TERMINAL BOARD

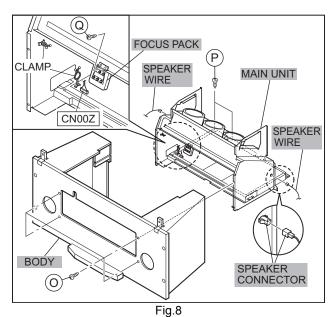
- · Take out the REAR PANEL.
  - (1) Remove 4 screws [R].
  - (2) Pull out the POWER CORD CLAMP from AV TERMINAL BOARD right side.
  - (3) Disconnect the connector [AU], [DC], [Q] and [SR] on the DIGITAL INPUT MODULE PWB.
  - (4) Take out the AV TERMINAL BOARD.

#### 3.1.15 DIGITAL INPUT MODULE

- · Take out the AV TERMINAL BOARD.
  - (1) Remove 1 screw [ S ].
  - (2) Remove 2 screws [T] from rear side of the AV TERMINAL BOARD.
  - (3) Take out the DIGITAL INPUT MODULE.

#### NOTE:

When removing the DIGITAL INPUT MODULE, refer to the "CAUTION AT DISASSEMBLY" section on page 10.





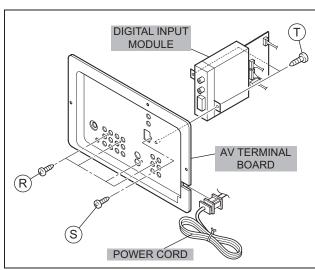


Fig.9

#### 3.1.16 MAIN CHASSIS

- · Take out the REAR PANEL.
  - (1) Remove 2 screws [U].
  - (2) Remove 2 screws [P].
  - (3) Pull out the MAIN CHASSIS for backside.

#### NOTE:

If necessary, remove the anode wires, connectors, respectively.

#### 3.1.17 MI-COM & DIST MODULE PWB

- · Take out the REAR PANEL.
- · Take out the MAIN CHASSIS.
  - (1) Disconnect the connector [ CN000E ], [ CN000Y ] on the MI-COM & DIST MODULE PWB.
  - (2) Remove 2 screws [ V ].
  - (3) Take out the MI-COM & DIST MODULE PWB.

#### 3.1.18 DIGITAL CONVERGENCE MODULE PWB

- · Take out the REAR PANEL.
- · Take out the MAIN CHASSIS.
  - (1) Remove 2 screws [W].
  - (2) Take out the DIGITAL CONVERGENCE MODULE PWB.

#### 3.1.19 PROJECTION UNIT

- · Take out the SPEAKER GRILLE.
- · Take out the FRONT CONTROL BOX.
- · Take out the REAR PANEL.
- · Take out the MAIN UNIT.
  - (1) Take out the CRT SOCKET PWB.
  - (2) Remove 4 screws [X].
  - (3) Pull out the PROJECTION UNIT upward.

#### NOTE:

- Refer to "PROJECTION UNIT REPLACEMENT" on page 9 when taking out and replacing the PROJECTION UNIT.
- When wire clamps are removed during work, use care to restore them precisely to their original positions.
   Performance can be affected if these are not returned to the original positions.

#### 3.1.20 HV DIVIDER

- · Take out the REAR PANEL.
  - (1) Remove 1 screw [ Y ].
  - (2) Take out the HV DIVIDER.

\*Wires of the transformer (FBT) and CRT of each PROJECTION UNIT can be removed by turning the connector portions.

#### NOTE:

 If necessary, remove the anode wires, and replacing the HV DIVIDER, take care to correctly engage the connector.

#### 3.1.21 REMOCON SENSOR PWB

- · Take out the REAR PANEL.
  - (1) Disconnect the connector [R].
  - (2) Remove 1 screw [ Z ].
  - (3) Take out the REMOCON SENSOR PWB.

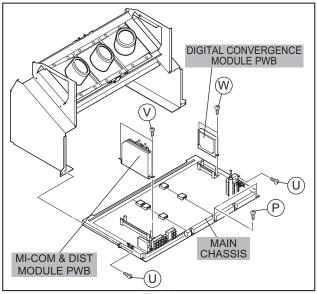


Fig.10

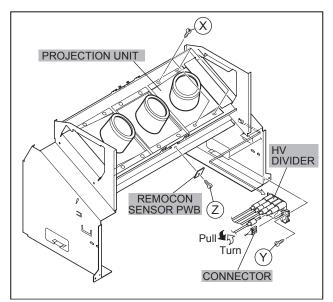


Fig.11

#### 3.2 MEMORY IC REPLACEMENT

#### 3.2.1 MEMORY IC

This memory IC stores data for proper operation of the video and deflection circuits.

When replacing, be sure to use an IC containing this (initial value) data.

#### **SERVICE MENU**

1.PICTURE/SOUND 7.CONVER B 2.YC SEP 3.WHITE BALANCE 4.MEMORY SETUP 5.RF AFC 6.CONVER A 8.IP 9.DSD 0.HDMI

Fig.1

#### 3.2.2 MEMORY IC REPLACEMENT PROCEDURE

(1) Power off

Switch off the power and disconnect the power cord from the wall outlet.

- (2) Replace the memory IC Initial value must be entered into the new IC.
- (3) Power on Connect the power cord to the wall outlet and switch on the power.
- (4) SERVICE MENU setting Before entering the SERVICE MENU, confirm that the setting of TV/CATV SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR/DVD SW of the REMOTE CONTROL UNIT is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MENU.
  - a) Press [SLEEP TIMER] key and, while the indication of SLEEP TIMER 0 MIN is being displayed, press [DISPLAY] key and [VIDEO STATUS] key (Fig.2) simultaneously.
  - b) The SERVICE MENU screen of Fig.1 is displayed.
  - c) Verify what to set in the SERVICE MENU, and set whatever is necessary (Fig.1).
    - Refer to the SERVICE ADJUSTMENT for setting.
  - d) Press the [BACK] key twice to return normal screen.
- (5) Receive channel setting

Refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the receive channels (Channels Preset) as described.

(6) User settings

Check the user setting items according to after page. Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.

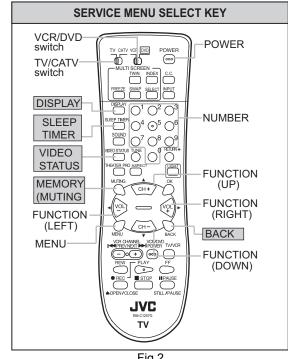


Fig.2

#### 3.2.3 SERVICE ADJUSTMENT ITEM

Setting item	Item No.	Remark	Setting item	Item No.	Remark		
1.PICTURE/SOUND			6.CONVER A				
AUDIO	A01~A27		Convergence adjustment	CPA01~CPA11			
VIDEO	S01~S99			CCA01~CCA12	Do not adjust		
DEFLECTION	D01~D32			CDA01~CDA07	Do not adjust		
FACTORY setting	F01~F70			CBA01~CBA94			
2.YC SEP			7.CONVER B				
YC separation setting	YCM001~YCM185		Convergence adjustment				
	YCS001~YCS114 Do not adjus		st 8.IP				
			DIST process setting IPA001~IPA042		Do not adjust		
3.WHITE BALANCE			9.DSD				
LOW LIGHT/HIGH LIGHT	BR, DRV R, DRV B,		DSD process setting	DSA001~DSA053			
adjustment	CUTR, CUTG, CUTB			DSB001~DSB053	Do not adjust		
4.MEMORY SETUP	4.MEMORY SETUP Do not adjust			DSC001~DSC044	Do not adjust		
5.RF AFC				DSD001~DSD017			
TUNER RF AFT setting	TUNER, AFC, FINE		0.HDMI				
		Do not adjust	Digital input setting	HDM001~HDM080	Do not adjust		
				RHD001~RHD170	Do not adjust		

#### 3.2.4 FACTORY SHIPPING SETTING

#### **VIDEO STATUS MEMORY**

(NTSC / 480i / 480p)

ltem	Setting value							
item	TINT	COLOR	PICTURE	BRIGHT	DETAIL			
STANDARD	0	0	0	0	0			
THEATER	0	0	0	0	0			
DYNAMIC	0	0	+10	0	+5			
GAME	0	0	-10	0	0			

#### (720p / 1080i)

ltom					
Item	TINT	COLOR	PICTURE	BRIGHT	DETAIL
STANDARD	0	0	0	0	0
THEATER	0	0	0	0	0
DYNAMIC	0	0	+5	0	+10
GAME	0	0	-10	0	0

#### **CHANNEL SETTING (CHANNEL SUMMARY)**

Band	CH di	isplay	Setting	Band			Setting
VHF LOW	2	2	USED	SUPER	N	27	NOT USED
	3		NOT USED		0	28	USED
	4	4	USED	1	Р	29	NOT USED
	5		USED		Q	30	NOT USED
	(	6	USED	1	R	31	USED
VHF HIGH	-	7	USED	1	S	32	USED
	3	3	NOT USED	1	Т	33	NOT USED
	9		USED	1	U	34	NOT USED
	1	0	NOT USED	1	V	35	NOT USED
	11		USED	1	W	36	USED
			NOT USED	SUBMID	A-7	93	NOT USED
	1	3	USED	1	A-6	94	NOT USED
UHF	14 36		USED	1	A-5	95	NOT USED
			USED	1	A-4	96	USED
	41		NOT USED		A-3	97	USED
	46 63		NOT USED		A-2	98	USED
			USED		A-1	99	NOT USED
	6	i9	USED		A-8	01	NOT USED
MID	Α	14	USED	HYPER	W+11	47	USED
	В	15	USED	1	W+12	48	USED
	С	16	USED	1	W+17	53	USED
	D	17	USED	1	W+23	59	USED
	Е	18	USED	ULTRA	W+29	65	NOT USED
	F	19	NOT USED	1	W+51		NOT USED
	G 2		NOT USED	1	W+78		NOT USED
	Н	21	USED		W+84		NOT USED
		22	NOT USED				
SUPER	J	23	NOT USED				
	K	24	USED				
	L	25	NOT USED				
	М	26	NOT USED				

#### SHIPPING FACTORY SETTING (USER SETTING)

Setting item	Setting value	Setting item	Setting value
POWER CHANNEL VOLUME	Off CABLE-02 10	TINT / COLOR / PICTURE/ BRIGHT / DETAIL	Refer to setting of Video status memory at shipping factory setting
INPUT	TV	COLOR TEMPERATURE DIG. NOISE CLEAR VSM (Velocity Scan Modulation)	LOW OFF ON
DISPLAY ASPECT VIDEO STATUS	OFF REGULAR DYNAMIC	NATURAL CINEMA BASS / TREBLE / BALANCE MTS	AUTO Center STEREO
SOUND A.H.S BBE SMART SOUND OFF		ON / OFF TIMER LANGUAGE NOISE MUTING FRONT PANEL LOCK CLOSED CAPTION FRONT PANEL LOCK V1 SMART INPUT VIDEO INPUT LABEL	OFF ENG ON OFF OFF ( CC1 / T1 ) OFF OFF BLANK
SPLIT SOURCE	LEFT SIDE : CA 02 RIGHT SIDE : INPUT1	AUTO SHUT OFF DIGITAL-IN	OFF SIZE 1
POSITION ADJUSTMENT CENTER CH INPUT XDS ID CONVERGENCE POWER INDICATOR	Center OFF ON AUTO HIGH	DIGITAL AUDIO CHANNEL SUMMARY V-CHIP AUTO DEMO	DIGITAL Refer to Last memory (CH. summary) OFF

#### 3.3 REPLACEMENT OF CHIP COMPONENT

#### 3.3.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

#### 3.3.2 SOLDERING IRON

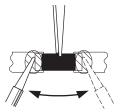
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

#### 3.3.3 REPLACEMENT STEPS

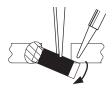
#### 1. How to remove Chip parts

#### [Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



(2) Shift with the tweezers and remove the chip part.

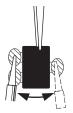


#### [Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



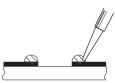
#### NOTE:

After removing the part, remove remaining solder from the pattern.

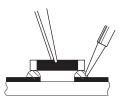
#### 2. How to install Chip parts

#### [Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

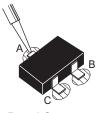


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

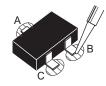


#### [Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead A as indicated in the figure.



(4) Then solder leads B and C.



# SECTION 4 ADJUSTMENT

#### 4.1 ADJUSTMENT PREPARATION

- (1) You can make the necessary adjustments for this unit with either the Remote Control Unit or with the adjustment tools and parts as given below.
- (2) Adjustment with the Remote Control Unit is made on the basis of the initial setting values, however, the new setting values which set the screen to its optimum condition may differ from the initial settings.
- (3) Make sure that AC power is turned on correctly.
- (4) Turn on the power for set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
- (5) Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
- (6) Never touch any adjustment setting value which are not specified in the list for this adjustment.
- (7) Presetting before adjustment Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit.

#### **SETTING POSITION**

Setting item	Setting position
VIDEO STATUS	STANDARD
TINT / COLOR / PICTURE / BRIGHT / DETAIL	0
COLOR TEMPERATURE	LOW
DIG. NOISE CLEAR	OFF
NATURAL CINEMA	AUTO
VSM	OFF
BASS / TREBLE / BALANCE	Center
A.H.S	OFF
BBE	OFF
ASPECT	FULL
VERTICAL POSITION	Center
ON/OFF TIMER	OFF
AUTO SHUTOFF	OFF

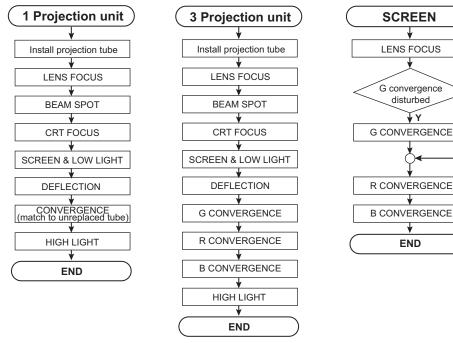
#### 4.2 MEASURING INSTRUMENT AND FIXTURES

- (1) DC voltmeter (or digital voltmeter)
- (2) Oscilloscope
- (3) Signal generator (Pattern generator) [NTSC / 480i / 480p / 720p / 1080i / HDMI]
- (4) TV audio multiplex signal generator
- (5) Remote control unit

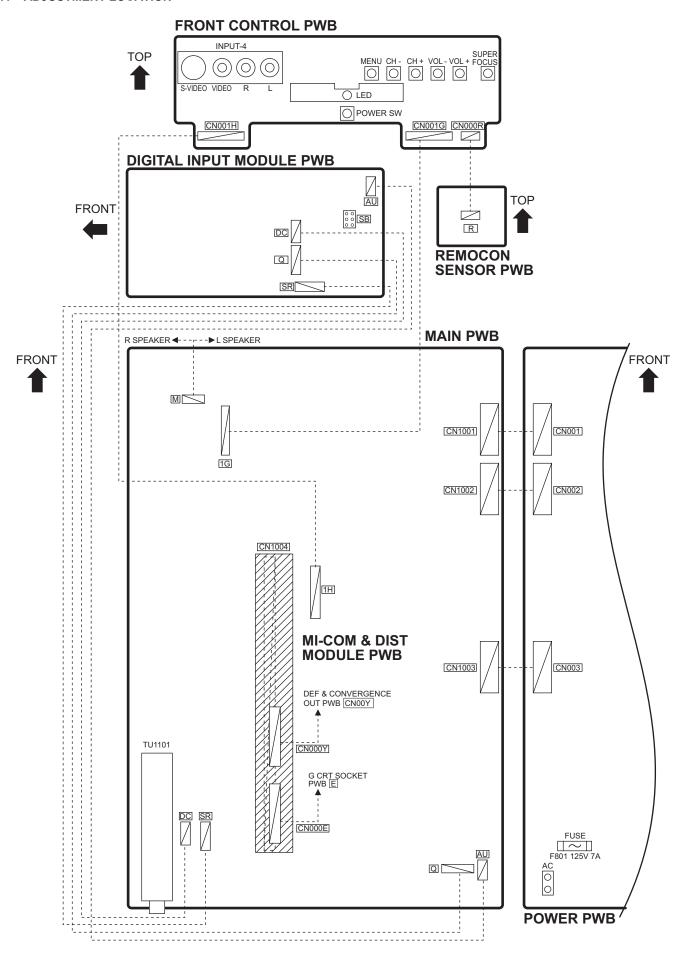
#### 4.3 ADJUSTMENT FLOWCHART

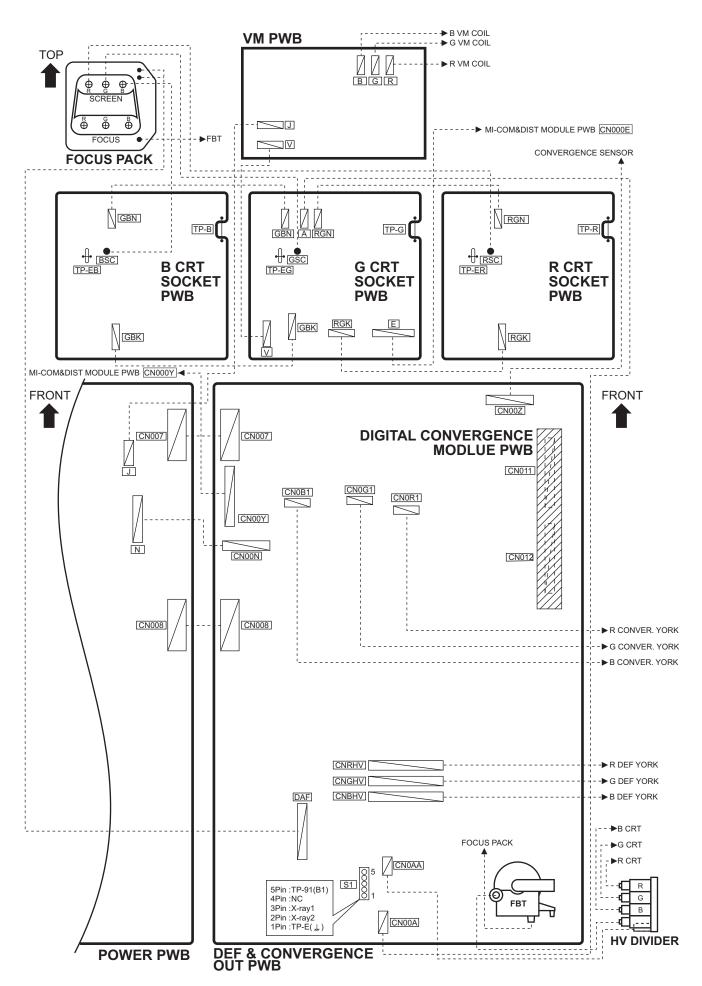
WHEN REPLACING SCREEN AND PROJECTION UNIT

• Contains only the main adjustments. Also confirm other adjustments as required.

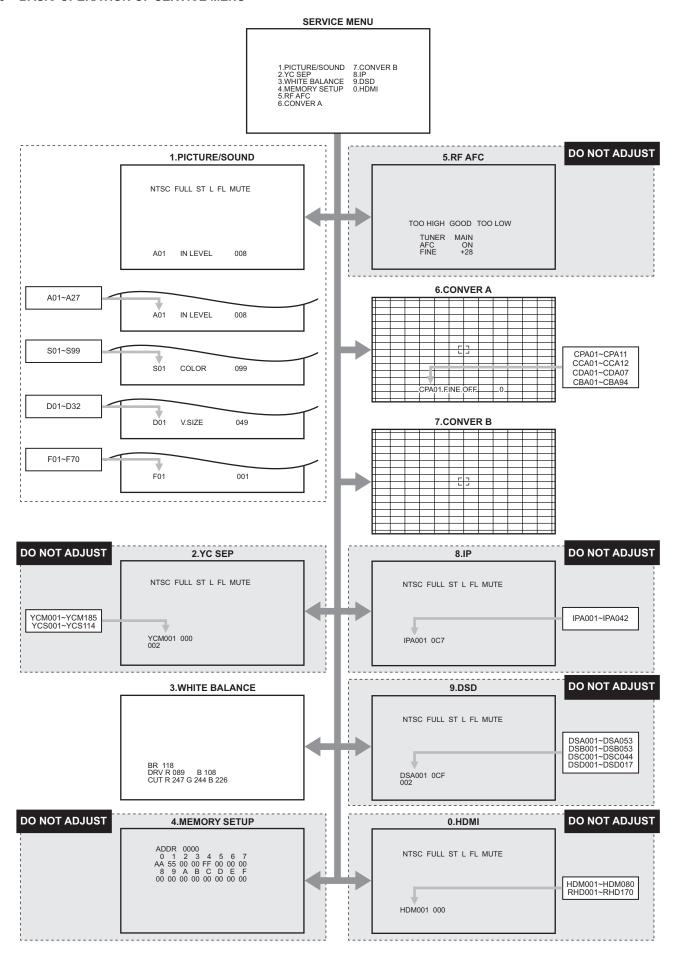


#### 4.4 ADJUSTMENT LOCATION





#### 4.5 BASIC OPERATION OF SERVICE MENU



#### 4.5.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

#### 4.5.2 SERVICE MENU ITEMS

In general, basic setting (adjustments) items or verifications are performed in the SERVICE MENU.

1.PICTURE / SOUND	This sets the setting values of the VIDEO, AUDIO and DEFLECTION circuits.
2.YC SEP	This is used when the YC SEPARATION circuit is adjusted. [Do not adjust]
3.WHITE BALANCE	This sets the setting values of the WHITE BALANCE.
4.MEMORY SETUP	This sets the setting values of the MEMORY ADDRESS. [Do not adjust]
5.RF AFC	This is used when the IF VCO is adjusted. [Do not adjust]
6.CONVER A	This is used when the CONVERGENCE is adjusted.
7.CONVER B	This is used when the CONVERGENCE is adjusted.
8.IP	This sets the setting value of the DIST circuit. [Do not adjust]
9.DSD	This sets the setting value of the DSD circuit. [Do not adjust]
0.HDMI	This sets the setting value of the DIGITAL INPUT circuit. [Do not adjust].

#### 4.5.3 BASIC OPERATIONS OF THE SERVICE MENU

#### (1) How to enter the SERVICE MENU

Press [SLEEP TIMER] key and, while the indication of "SLEEP TIMER 0 MIN." is being displayed, press [DISPLAY] key and [VIDEO STATUS] key simultaneously to enter the SERVICE MENU screen.

#### (2) Releasing SERVICE MENU

After returning to the SERVICE MENU upon completion of the setting work, press the [BACK] key again.

#### 4.5.4 DESCRIPTION OF STATUS DISPLAY

The status display on the upper part of the SERVICE MENU screen is common.

#### (1) SIGNAL SYSTEM

NTSC: Composite, S-video (Y / C), No signal.

DVD : 480i (component)

ED : 480p HD : 1080i 720 : 720p

HED1 : HDMI 480p SIZE1 HED2 : HDMI 480p SIZE2 HHD : HDMI 1080i H750 : HDMI 720p

#### (2) ASPECT / MULTI

1) ONE SCREEN

FULL : FULL
PANO : PANORAMA
CINE : CINEMA
REGU : REGULAR

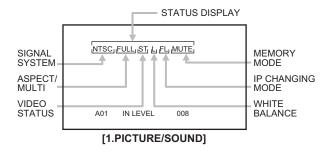
#### 2) MULTI SCREEN

M1 : One screen (for adjustment)

M2-1 : TWIN (4 : 3) M2-2 : TWIN (16 : 9) M12 : INDEX

#### (3) VIDEO STATUS

ST : STANDARD
DA : DYNAMIC
TH : THEATER
GA : GAME



#### (4) WHITE BALANCE

H : HIGH L : LOW

#### (5) IP CONVERTING MODE

FL: FRAME LI: LINE

23 : COMPULSORY NATURAL CINEMA IN

#### (6) MEMORY MODE

MUTE : Press [MUTING] key

DIR : Change data then memory at the same time.

#### 4.5.5 SERVICE MENU SETTING

#### 1. PICTURE/SOUND

AUDIO / VIDEO / DEFLECTION circuit adjustment.

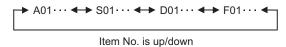
1. SETTING ITEM No.

A : AUDIO S : SIGNAL

D: DEFLECTION

F : FACTORY SETTING

Press [CH+] / [CH-] key



· Press [SLEEP TIMER] key

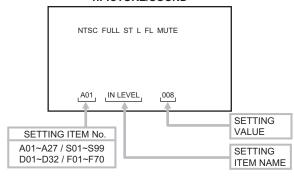


## 2. SETTING ITEM NAME Describe setting item name

#### 3. SETTING VALUE

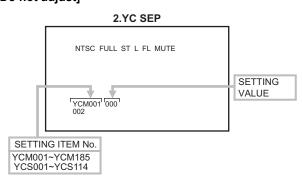
- Press [VOL+] / [VOL-] key Set the setting value.
- Press [MUTING] key Memorize the data.

#### 1.PICTURE/SOUND



#### 2. YC SEP

YC separation circuit setting.
[Do not adjust]



#### 3. WHITE BALANCE

Adjustment of LOW LIGHT / HIGH LIGHT.

- 1. SELECT ITEM
- Press [CH+] / [CH-] key
   SETTING VALUE
   BRIGHT
- Press [VOL+] / [VOL-] key DRIVE

[2] key: DRIVE R is up [5] key: DRIVE R is down [3] key: DRIVE B is up [6] key: DRIVE B is down

CUTOFF

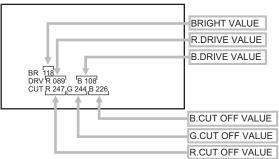
[7] key: CUTOFF G is up

[TUNE] key: CUTOFF G is down [8] key: CUTOFF R is up [0] key: CUTOFF R is down

[9] key: CUTOFF B is up

[RETURN+] key: CUTOFF B is down

#### 3. WHITE BALANCE



#### 4. MEMORY SETUP

Main memory data edition. [Do not adjust]

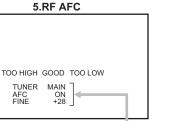
#### 4.MEMORY SETUP

ADDR 0000 0 1 2 3 4 5 6 7 AA 55 00 00 FF 00 00 00 8 9 A B C D E F 00 00 00 00 00 00 00 00

#### 5. RF AFC

Setting the RF VCO adjustment.

[Do not adjust]

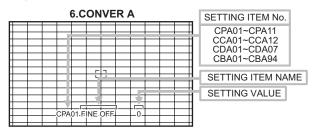


(NOTE)
AFC Select ON / OFF
FINE FineTuning(-77~+77)
AFC ON:Auto Setting

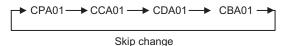
#### 6. CONVER A

Setting the CONVERGENCE PHASE adjustment.

 Setting for 6.CONVER A is described in the CONVERGENCE adjustment.



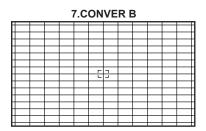
· Press [INPUT] key



#### 7. CONVER B

Setting the CONVERGENCE POINT (fine).

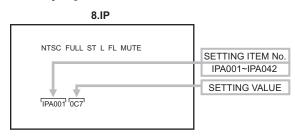
 Setting for 7.CONVER B is described in the CONVERGENCE adjustment.



#### 8. IP

DIST circuit data setting.

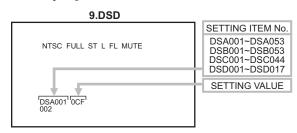
[Do not adjust]



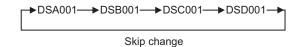
#### 9. DSD

DSD circuit data setting.

[Do not adjust]



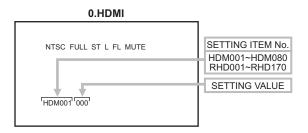
· Press [SLEEP TIMER] key



#### 0. HDMI

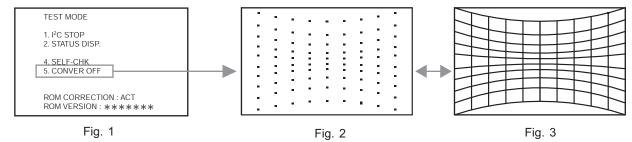
DIGITAL INPUT circuit data setting.

[Do not adjust]



#### 4.5.6 DESCRIPTION OF TEST MODE

- (1) Press [SLEEP TIMER] key and set 30 minutes.
- (2) While the indication "SLEEP TIMER 30 MIN." is being displayed. Press [DISPLAY] key and [VIDEO STATUS] key simultaneously to enter the TEST MODE MENU screen as shown in the Fig.1.
- (3) Press [5] key to enter the 5.CONVER OFF.
- (4) Press [INPUT] key to select the crosshatch pattern.



#### 4.6 INITIAL SETTING VALUE OF SERVICE MENU

- (1) Adjustment of the SERVICE MENU is made on the basis of the initial setting values; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
- (2) Do not change the initial setting values of the setting items NOT LISTED IN ADJUSTMENT.
- (3) "---" is not adjusted. Setting value is not displayed.

#### **CAUTION:**

**Never change** the initial setting value any adjustments **except** for those that are designated in the adjustment procedures. In case where you have made undesignated adjustments by mistake, never press the [MUTING] key on the remote control unit. Whenever you had not pressed the [MUTING] key, you would be able to recover the initial value by switching the [POWER] key.

#### 4.6.1 [1. PICTURE / SOUND]

#### **AUDIO SYSTEM**

Item	Item name	Variable range		Initial setting value	
No.	item name	variable range	AV-48P575	AV-56P575	AV-56P585
A01	IN LEVEL	000~015	800	007	007
A02	LOW SEP	000~063	035	035	035
A03	HI SEP	000~063	020	020	020
A04	BBE BASS	-128~+127	+010	+010	+010
A05	BBE TRE	-128~+127	000	000	000
A06	SURROUND	000 / 001	000	000	000
A07	BASS OFS	-128~+127	-017	-017	-017
A08	TRE OFS	-128~+127	-009	-009	-009
A09	AHS MVE	-128~+127	000	000	000
A10	AHS MSC	-128~+127	000	000	000
A11	(Not display)	000 / 001	000	000	000
A12	(Not display)	000 / 001	000	000	000
A13	(Not display)	000 / 001	000	000	000
A14	(Not display)	000 / 001	000	000	000
A15	(Not display)	000 / 001	000	000	000
A16	(Not display)	000 / 001	000	000	000
A17	(Not display)	000 / 001	000	000	000
A18	(Not display)	000 / 001	000	000	000
A19	(Not display)	000 / 001	000	000	000
A20	(Not display)	000 / 001	000	000	000
A21	(Not display)	000 / 001	000	000	000
A22	(Not display)	000 / 001	000	000	000
A23	(Not display)	000 / 001	000	000	000
A24	(Not display)	000 / 001	000	000	000
A25	(Not display)	000 / 001	000	000 000 000	
A26	(Not display)	000 / 001	000 000 00		000
A27	(Not display)	000 / 001	000	000	000

#### **DEFLECTION SYSTEM**

Item No.	Item name	Variable range	SINGLE PICTURE (FULL)	TWIN / INDEX
D01	V. SIZE	000~127	040	040
D02	EW	000~063	035	035
D03	H. SIZE	000~063	019	019
D04	V. SCORE	000~063	040	040
D05	V. LINE	000~063	042	042
D06	V. CENT	000~063	024	024
D07	EW.TRAP	000~063	029	029
D08	BOT.CORN	000~015	008	800
D09	TOP.CORN	000~015	008	800
D10	V. EHT	000~007	005	005
D11	H. EHT	000~007	005	005
D12	(Not display)	000~007	006	006
D13	(Not display)	000~015	000	000
D14	H. CENTER	000~255	117	117
D15	H. FREQ	000~255	190	190
D16	(Not display)	000~127	100	100
D17	(Not display)	000~003	000	000
D18	(Not display)	000 / 001	000	000
D19	(Not display)	000 / 001	000	000
D20	(Not display)	000 / 001	000	000
D21	(Not display)	000 / 001	000	000
D22	(Not display)	000 / 001	000	000
D23	(Not display)	000 / 001	000	000
D24	(Not display)	000 / 001	000	000
D25	(Not display)	000 / 001	000	000
D26	(Not display)	000 / 001	000	000
D27	(Not display)	000 / 001	000	000
D28	(Not display)	000 / 001	000	000
D29	(Not display)	000 / 001	000	000
D30	(Not display)	000 / 001	000	000
D31	(Not display)	000 / 001	000	000
D32	(Not display)	000 / 001	000	000

#### **VIDEO SYSTEM**

#### ( NTSC / 480i )

14		ne Variable range		NT	SC		480i				
Item Item na	Item name		STANDARD		THEATER		STANDARD		THEATER		
			48"	56"	48"	56"	48"	56"	48"	56"	
S01	COLOR	000~255	098	099	088	085	081	081	069	073	
S02	TINT	000~255	060	059	052	055	062	064	060	061	

( 480p / 720p / 1080i )

				48	0p		720p / 1080i				
Item Item name	Variable range	STANDARD		THEATER		STANDARD		THEATER			
			48"	56"	48"	56"	48"	56"	48"	56"	
S01	COLOR	000~255	075	089	066	073	067	070	063	070	
S02	TINT	000~255	059	058	059	058	063	063	057	059	

(NTSC / 480i / 480p)

				NT	sc		480i / 480p				
No. Item name	Variable range	STANDARD		THEATER		STANDARD		THEATER			
			48"	56"	48"	56"	48"	56"	48"	56"	
S03	BRIGHT	000~255	125	128	122	120	124	127	120	123	
S04	CONTRAST	000~127	049	051	040	044	060	064	046	047	

( 720p / 1080i)

( · = 0 P	, 10001)								
		Variable range	720p / 1080i						
Item No.	Item name		STAN	DARD	THEATER				
			48"	56"	48"	56"			
S03	BRIGHT	000~255	127	130	123	125			
S04	CONTRAST	000~127	056	066	044	046			

( NTSC / 480i )

		e Variable range		NT	SC		480i				
Item No.	Item name		STANDARD		THEATER		STANDARD		THEATER		
110.			48"	56"	48"	56"	48"	56"	48"	56"	
S05	0 MTX SW	000~003	000	000	000	000	000	000	000	000	
S06	INPUT SW	000~003	001	001	001	001	001	001	001	001	
S07	B-Y	000~063	010	010	020	024	015	011	026	018	
S08	R-Y	000~015	007	007	000	000	007	007	000	000	
S09	G-YMATRI	000~003	001	001	003	003	001	001	003	003	

(480p/720p/1080i)

Item No.	Item name	ame Variable range		48	0p		720p / 1080i				
			STANDARD		THEATER		STANDARD		THEATER		
			48"	56"	48"	56"	48"	56"	48"	56"	
S05	0 MTX SW	000~003	000	000	000	000	000	000	000	000	
S06	INPUT SW	000~003	001	001	001	001	000	000	000	000	
S07	B-Y	000~063	015	017	025	021	023	021	025	021	
S08	R-Y	000~015	800	800	002	002	004	004	003	003	
S09	G-YMATRI	000~003	001	001	003	003	002	002	002	002	

( NTSC / 480i )

			NTSC					480i				
Item Item na	Itom name	Variable range	STANDARD			THEATER		STANDARD			THEATER	
No.	item name	Item name Variable range		LC	w	HIGH	LOW	HIGH	LC	w	111011	LOW
			HIGH	48"	48" 56"	піоп	LOW	пібп	48"	56"	HIGH	LOW
S10	DRIVE R	000~255		085	078				086	072		
S11	(Not display)	-128 ~ +127	+004			+006	+014	+005			+006	+014
S12	DRIVE B	000~255		080	084				078	079		
S13	(Not display)	-128 ~ +127	+004			-007	-022	+005			-007	-022

( 480p / 720p / 1080i )

			480p				720p / 1080i				
Item	14	Mariable remark	STANDARD		THEATER		STANDARD		THEATER		
No.	Item name	Variable range	HIGH	LOW	HIGH LOW		HIGH LOW HIGH LOW		HIGH LOW	LOW	
			nigh Lov	LOW	IIIGH	LOW	111011	48"	56"	поп	LOW
S10	DRIVE R	000~255						084	074		
S11	(Not display)	-128 ~ +127	+003	000	000	+001	+005			+005	+008
S12	DRIVE B	000~255						078	083		
S13	(Not display)	-128 ~ +127	+007	000	-005	-021	+005			+001	-009

(NTSC / 480i / 480p / 720p / 1080i )

( M120	NTSC / 4801 / 480p / 720p / 10801 )							
Item	Itom nome	Variable range	NT	sc	480i /	480p	720p / 1080i	
No.	Item name	variable range	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S14	CUTOF R	000~255	185		185	-	185	
S15	(Not display)	-128 ~ +127		-004		000		-008
S16	CUTOF G	000~255	185		185		185	
S17	(Not display)	-128 ~ +127		000		000		000
S18	CUTOF B	000~255	185		185		185	
S19	(Not display)	-128 ~ +127		-004		000		-008
S20	CUTOF SW R	000~003	001		001		001	
S21	CUTOF SW G	000~003	001		001		001	
S22	CUTOF SW B	000~003	001		001		001	

#### (NTSC / 480i / OTHERS SIGNAL)

ltem	Item name	Variable range	NTSC		480i		OTHERS SIGNAL	
No.	item name	Variable range	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S23	DC CTL	000~255	255	255	255	255	255	255

Item No.	Item name	Variable range	Initial setting value
S24	RGBLIMT	000~015	000

#### (NTSC / 480i / OTHERS SIGNAL)

(					
Item No.	Item name	Variable range	NTSC	480i	OTHERS SIGNAL
S25	BL STRT	000~015	015	015	015
S26	BL GAIN	000~015	008	800	008
S27	YGM LVL	000~015	000	000	000
S28	YGM GAIN	000~015	015	015	015
S29	YWD STRT	000~015	002	000	000
S30	YWD GAIN	000~015	005	002	003

Item	Item name	Variable range	Initial setting value		
No.	item name	Item name Variable range		THEATER	
S31	COL OFST	-128~+127			
S32	TNT OFST	-128~+127			

#### (TWIN / FREEZE)

1	, , , , , , , , , , , , , , , , , , ,			
Item	Item name	Variable range		FREEZE
No.	item name	Variable range	STANDARD	THEATER
S33	BRT OFST	-128~+127	-002	000
S34	CNT OFST	-128~+127	-011	000

Item No.	Item name	Variable range	STANDARD	THEATER
S35	DCTRN SW	000 / 001	000	000
S36	BL OFF	000 / 001	000	001
S37	YGM OFF	000 / 001	000	001
S38	ABL OFF	000 / 001	000	000
S39	ACL OFF	000 / 001	000	000

Item No.	Item name	Variable range	Initial setting value
S40	BLCNT LK	000 / 001	000
S41	YGCNT LK	000 / 001	000
S42	DCTRN PL	000 / 001	000
S43	ABL GAIN	000~015	015
S44	ABL STRT	000~015	015
S45	ACL GAIN	000~015	015
S46	ACL STRT	000~015	000

#### (TWIN / REGULER / THEATER / OTHERS)

Ī	Item	Item name	Variable range	MULTI SCREEN	ASPECT	VIDEO STATUS	OTHERS	
	No.	item name	variable range	TWIN	REGULAR	THEATER	OTHERS	
	S47	ACL EERG	000~255	255	255	255	255	

	tem No.	Item name	Variable range	Initial setting value
(	S48	CHRM GM	000~255	255

Item No.	Item name	Variable range	Initial setting value
S49	OSDR DC	000~127	064
S50	OSDB DC	000~127	064
S51	BLK OFF	000 / 001	000

Item No.	Item name	Variable range	STANDARD	THEATER
S52	CNT UNDR	-128~+127	-030	-021
S53	CNT UPPR	-128~+127	+013	+020
S54	BRT UNDR	-128~+127	-020	-020

Item No.	Item name	Variable range	Initial setting value
S55	EETH BRT	-128~+127	000
S56	EETH CNT	-128~+127	000
S57	BREE CNT	000~031	000
S58	DKEE CNT	000~031	000
S59	DREE BRT	000~127	000
S60	BREE ACL	000~255	000
S61	DKEE ACL	000~255	000
S62	VMOFF DE	-128~+127	+002
S63	VM LOW	-128~+127	-025
S64	VM MID	-128~+127	-015
S65	VM HIGH	-128~+127	+010
S66	VM L-	-128~+127	-004
S67	VM LH	-128~+127	-002
S68	VM MH	-128~+127	000
S69	VM M+	-128~+127	+001
S70	BLK R	000 / 001	000
S71	BLK G	000 / 001	000
S72	BLK B	000 / 001	000
S73	(Not display)	000 / 001	000
S74	(Not display)	000 / 001	000
S75	(Not display)	000 / 001	000
S76	(Not display)	000 / 001	000
S77	(Not display)	000 / 001	000
S78	(Not display)	000 / 001	000
S79	(Not display)	000 / 001	000
S80	(Not display)	000 / 001	000

	-		
Item No.	Item name	Variable range	Initial setting value
S81	(Not display)	000 / 001	000
S82	(Not display)	000 / 001	000
S83	(Not display)	000 / 001	000
S84	(Not display)	000 / 001	000
S85	(Not display)	000 / 001	000
S86	(Not display)	000 / 001	000
S87	(Not display)	000 / 001	000
S88	(Not display)	000 / 001	000
S89	(Not display)	000 / 001	000
S90	(Not display)	000 / 001	000
S91	(Not display)	000 / 001	000
S92	(Not display)	000 / 001	000
S93	(Not display)	000 / 001	000
S94	(Not display)	000 / 001	000
S95	(Not display)	000 / 001	000
S96	(Not display)	000 / 001	000
S97	(Not display)	000 / 001	000
S98	(Not display)	000 / 001	000
S99	(Not display)	000 / 001	000

#### **OTHERS**

Item	Item name	Variable range	Initial	setting	value
No.	item name	variable range	48P575	56P575	56P585
F01	E 1	000~255	003	004	002
F02	E 2	000~255	001	001	001
F03	(Not display)	000~255	127	127	127
F04	CATVMAX	000~255	001	001	001
F05	(Not display)	000 / 001	118	118	126
F06	(Not display)	000~255	048	048	112
F07	(Not display)	000~255	015	015	015
F08	(Not display)	000~255	000	000	000

Item	ltem neme	Variable renge	ASPECT	
No.	Item name	Variable range	CINEMA	OTHERS
F09	AUTOSCR1	000~015	000	000
F10	AUTOSCR2	000~015	000	000
F11	AUTOSCR3	000~015	000	000
F12	AUTOSCR4	000~015	000	000
F13	AUTOSCR5	000~015	000	000
F14	AUTOSCR6	000~015	000	000
F15	AUTOSCR7	000~015	000	000

Item No.	Item name	Variable range	Initial setting value
F16	(Not display)	000~127	070
F17	(Not display)	000 / 001	000
F18	FIX DATA	000 / 001	000
F19	(Not display)	000 / 001	000
F20	(Not display)	000~255	005
F21	(Not display)	000~255	002
F22	(Not display)	000 / 001	000
F23	(Not display)	000~255	000
F24	(Not display)	000~255	141
F25	(Not display)	000~255	006
F26	(Not display)	000~255	040
F27	(Not display)	000~255	040
F28	(Not display)	000 /001	000

Item No.	Item name	Variable range	Initial setting value
F29	(Not display)	000 / 001	000
F30	(Not display)	000 / 001	000
F31	(Not display)	000 / 001	000
F32	ATT V	000 / 001	000
F33	ATT U	000 / 001	000
F34	ATT C	000 / 001	000
F35	(Not display)	000 / 001	000
F36	(Not display)	000 / 001	000
F37	(Not display)	000 / 001	000
F38	DC1	000 / 001	000
F39	DC4	000 / 001	000
F40	DC5	000 / 001	000

Item No.	Item name	Variable range	NTSC	480i	480p	720p	1080i
F41	SS LV	000~003	000	002	002	002	002
F42	SS CP	000 / 001	000	000	000	000	000
F43	SS HDP	000~063	039	039	037	025	024

Item No.	Item name	Variable range	Initial setting value
F44	(Not display)	000 / 001	000
F45	(Not display)	000 / 001	000
F46	OUT LV.	000 / 001	000
F47	LMT BTM	000 / 001	000
F48	LMT TOP	000 / 001	000
F49	(Not display)	000 / 001	001
F50	(Not display)	000 / 001	001
F51	(Not display)	000~015	011
F52	(Not display)	000~063	055
F53	(Not display)	-128~+127	000
F54	(Not display)	000~255	015
F55	(Not display)	000 / 001	000
F56	(Not display)	000~255	188
F57	(Not display)	000~255	105

Item No.	Item name	Variable range	Initial setting value
F58	(Not display)	000~255	077
F59	(Not display)	000 / 001	001
F60	(Not display)	000 / 001	000
F61	(Not display)	000 / 001	001
F62	(Not display)	000 / 001	000
F63	(Not display)	-128~+127	000
F64	(Not display)	-128~+127	+010
F65	(Not display)	-128~+127	000
F66	(Not display)	000~007	006
F67	(Not display)	000~003	000
F68	(Not display)	000~255	126
F69	(Not display)	000 / 001	001
F70	(Not display)	000 / 001	000

#### 4.6.2 [2.YC SEP] (All fixed)

#### NOTE:

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

	1		<b>11.</b>
Item No.	Item name	Variable range	Initial setting value
YCM001	(Not display)	000 / 001	000
YCM002	(Not display)	000 / 001	000
YCM003	(Not display)	000 / 001	000
YCM004	(Not display)	000~003	001
YCM005	(Not display)	000~255	239
YCM006	(Not display)	000~003	001
YCM007	(Not display)	000~255	239
YCM008	(Not display)	000 / 001	000
YCM009	(Not display)	000~003	000
YCM010	(Not display)	000 / 001	000
YCM011	(Not display)	000 / 001	000
YCM012	(Not display)	000 / 001	000
YCM013	(Not display)	000 / 001	000
YCM014	(Not display)	000~003	000
YCM015	(Not display)	000 / 001	000
YCM016	(Not display)	000~003	001
YCM017	(Not display)	000 / 001	001
YCM018	(Not display)	000~003	000
YCM019	(Not display)	000 / 001	000
YCM020	(Not display)	000 / 001	000
YCM021	(Not display)	000~003	002
YCM022	(Not display)	000~007	004
YCM023	(Not display)	000 / 001	001
YCM024	(Not display)	000 / 001	000
YCM025	(Not display)	000~007	005
YCM026	(Not display)	000~015	003
YCM027	(Not display)	000~003	000
YCM028	(Not display)	000~007	003
YCM029	(Not display)	000~007	002
YCM030	(Not display)	000~003	003
YCM031	(Not display)	000 / 001	000
YCM032	(Not display)	000~003	003
YCM033	(Not display)	000 / 001	001
YCM034	(Not display)	000 / 001	000
YCM035	(Not display)	000~255	096
YCM036	(Not display)	000 / 001	001
YCM037	(Not display)	000~003	001
YCM038	(Not display)	000~127	062
YCM039	(Not display)	000~127	073

Item No.	Item name	Variable range	Initial setting value
YCM040	(Not display)	000~003	002
YCM041	(Not display)	000~063	016
YCM042	(Not display)	000 / 001	000
YCM043	(Not display)	000 / 001	000
YCM044	(Not display)	000~255	241
YCM045	(Not display)	000 / 001	000
YCM046	(Not display)	000~255	165
YCM047	(Not display)	000 / 001	001
YCM048	(Not display)	000 / 001	001
YCM049	(Not display)	000 / 001	001
YCM050	(Not display)	000 / 001	001
YCM051	(Not display)	000 / 001	001
YCM052	(Not display)	000 / 001	000
YCM053	(Not display)	000 / 001	001
YCM054	(Not display)	000~003	003
YCM055	(Not display)	000~003	003
YCM056	(Not display)	000~003	000
YCM057	(Not display)	000 / 001	000
YCM058	(Not display)	000 / 001	001
YCM059	(Not display)	000 / 001	001
YCM060	(Not display)	000 / 001	000
YCM061	(Not display)	000 / 001	001
YCM062	(Not display)	000~015	001
YCM063	(Not display)	000~015	004
YCM064	(Not display)	000 / 001	000
YCM065	(Not display)	000~063	060
YCM066	(Not display)	000~063	040
YCM067	(Not display)	000~063	025
YCM068	(Not display)	000~063	012
YCM069	(Not display)	000~063	036
YCM070	(Not display)	000~063	031
YCM071	(Not display)	000~255	031
YCM072	(Not display)	000 / 001	001
YCM073 YCM074	(Not display)	000 / 001 000~063	001
YCM074 YCM075	(Not display)	000~063	024 000
YCM076	(Not display) (Not display)	000 / 001	000
YCM077	(Not display)	0007001	010
YCM078	(Not display)	000~063	001
YCM079	(Not display)	000~003	000
YCM080	(Not display)	000~255	000
YCM081	(Not display)	000~255	000
YCM082	(Not display)	000~255	000
YCM083	(Not display)	000 / 001	001
YCM084	(Not display)	000~063	012
I OIVIOUT	(itot display)	000 000	012

Item No.	Item name	Variable range	Initial setting value
YCM085	(Not display)	000 / 001	000
YCM086	(Not display)	000 / 001	000
YCM087	(Not display)	000~063	028
YCM088	(Not display)	000 / 001	001
YCM089	(Not display)	000~031	000
YCM090	(Not display)	000~003	000
YCM091	(Not display)	000~015	000
YCM092	(Not display)	000~015	000
YCM093	(Not display)	000~015	002
YCM094	(Not display)	000~063	000
YCM095	(Not display)	000~255	040
YCM096	(Not display)	000 / 001	001
YCM097	(Not display)	000~063	063
YCM098	(Not display)	000~015	800
YCM099	(Not display)	000~015	005
YCM100	(Not display)	000~015	800
YCM101	(Not display)	000~015	005
YCM102	(Not display)	000~015	000
YCM103	(Not display)	000~015	002
YCM104	(Not display)	000~015	800
YCM105	(Not display)	000~015	006
YCM106	(Not display)	000~255	010
YCM107	(Not display)	000~255	032
YCM108	(Not display)	000~255	031
YCM109	(Not display)	000~255	064
YCM110	(Not display)	000 / 001	000
YCM111	(Not display)	000 / 001	001
YCM112	(Not display)	000 / 001	001
YCM113	(Not display)	000 / 001	001
YCM114	(Not display)	000 / 001	000
YCM115	(Not display)	000 / 001	001
YCM116	(Not display)	000 / 001	000
YCM117	(Not display)	000 / 001	000
YCM118	(Not display)	000 / 001	001
YCM119	(Not display)	000 / 001	000
YCM120	(Not display)	000 / 001	000
YCM121	(Not display)	000~003	003
YCM122	(Not display)	000 / 001	000
YCM123	(Not display)	000~255	026
YCM124	(Not display)	000 / 001	000
YCM125	(Not display)	000~255	025
YCM126	(Not display)	000 / 001	000
YCM127	(Not display)	000 / 001	001
YCM128	(Not display)	000 / 001	001
YCM129	(Not display)	000 / 001	001

Item No.	Item name	Variable range	Initial setting value
YCM130	(Not display)	000~003	001
YCM131	(Not display)	000~255	050
YCM132	(Not display)	000~255	154
YCM133	(Not display)	000~255	055
YCM134	(Not display)	000~007	001
YCM135	(Not display)	000~255	136
YCM136	(Not display)	000 / 001	000
YCM137	(Not display)	000 / 001	001
YCM138	(Not display)	000~007	003
YCM139	(Not display)	000~255	089
YCM140	(Not display)	000~007	000
YCM141	(Not display)	000~255	252
YCM142	(Not display)	000 / 001	001
YCM143	(Not display)	000~007	005
YCM144	(Not display)	000~255	128
YCM145	(Not display)	000 / 001	000
YCM146	(Not display)	000 / 001	001
YCM147	(Not display)	000 / 001	001
YCM148	(Not display)	000 / 001	001
YCM149	(Not display)	000 / 001	000
YCM150	(Not display)	000 / 001	000
YCM151	(Not display)	000~255	136
YCM152	(Not display)	000 / 001	001
YCM153	(Not display)	000 / 001	001
YCM154	(Not display)	000 / 001	001
YCM155	(Not display)	000~003	000
YCM156	(Not display)	000~015	015
YCM157	(Not display)	000~015	004
YCM158	(Not display)	000 / 001	001
YCM159	(Not display)	000~127	004
YCM160	(Not display)	000 / 001	000
YCM161	(Not display)	000~031	000
YCM162	(Not display)	000 / 001	000
YCM163	(Not display)	000~015	003
YCM164	(Not display)	000~007	002
YCM165	(Not display)	000~031	016
YCM166	(Not display)	000~255	235
YCM167	(Not display)	000~003	000
YCM168	(Not display)	000~063	000
YCM169	(Not display)	000~015	003
YCM170	(Not display)	000~015	003
YCM171	(Not display)	000~007	000
YCM172	(Not display)	000~255	096
YCM173	(Not display)	000~007	003
YCM174	(Not display)	000~255	056

Item No.	Item name	Variable range	Initial setting value
YCM175	(Not display)	000 / 001	000
YCM176	(Not display)	000 / 001	000
YCM177	(Not display)	000~255	022
YCM178	(Not display)	000 / 001	001
YCM179	(Not display)	000 / 001	000
YCM180	(Not display)	000~007	004
YCM181	(Not display)	000~003	001
YCM182	(Not display)	000~003	001
YCM183	(Not display)	000~003	001
YCM184	(Not display)	000~003	001
YCM185	(Not display)	000~255	000

	1		m
Item No.	Item name	Variable range	Initial setting value
YCS001	(Not display)	000 / 001	000
YCS002	(Not display)	000 / 001	000
YCS003	(Not display)	000 / 001	000
YCS004	(Not display)	000~003	001
YCS005	(Not display)	000~255	239
YCS006	(Not display)	000~003	001
YCS007	(Not display)	000~255	239
YCS008	(Not display)	000 / 001	000
YCS009	(Not display)	000~003	000
YCS010	(Not display)	000 / 001	000
YCS011	(Not display)	000 / 001	000
YCS012	(Not display)	000 / 001	000
YCS013	(Not display)	000 / 001	000
YCS014	(Not display)	000~003	000
YCS015	(Not display)	000 / 001	000
YCS016	(Not display)	000~003	001
YCS017	(Not display)	000 / 001	001
YCS018	(Not display)	000~003	000
YCS019	(Not display)	000~001	000
YCS020	(Not display)	000~001	000
YCS021	(Not display)	000~003	002
YCS022	(Not display)	000~007	004
YCS023	(Not display)	000 / 001	001
YCS024	(Not display)	000 / 001	000
YCS025	(Not display)	000~015	005
YCS026	(Not display)	000~015	003
YCS027	(Not display)	000~003	000
YCS028	(Not display)	000~007	004
YCS029	(Not display)	000~007	006
YCS030	(Not display)	000~003	001
YCS031	(Not display)	000 / 001	000
YCS032	(Not display)	000~003	003

Item No.	Item name	Variable	Initial setting value
YCS033	(Not display)	range 000 / 001	001
YCS034	(Not display)	000 / 001	000
YCS035	(Not display)	0007001	096
YCS036	(Not display)	000 / 001	001
YCS037	(Not display)	000~003	001
YCS038	(Not display)	000~127	062
YCS039	(Not display)	000~127	073
YCS040	(Not display)	000~003	002
YCS041	(Not display)	000~063	016
YCS042	(Not display)	000 / 001	000
YCS043	(Not display)	000 / 001	000
YCS044	(Not display)	000~255	164
YCS045	(Not display)	000 / 001	000
YCS046	(Not display)	000~255	110
YCS047	(Not display)	000 / 001	001
YCS048	(Not display)	000~031	000
YCS049	(Not display)	000~003	000
YCS050	(Not display)	000~015	000
YCS051	(Not display)	000~015	008
YCS052	(Not display)	000~015	001
YCS053	(Not display)	000~063	030
YCS054	(Not display)	000~255	030
YCS055	(Not display)	000 / 001	000
YCS056	(Not display)	000~063	016
YCS057	(Not display)	000~015	800
YCS058	(Not display)	000~015	005
YCS059	(Not display)	000~015	800
YCS060	(Not display)	000~015	005
YCS061	(Not display)	000~015	000
YCS062	(Not display)	000~015	002
YCS063	(Not display)	000~015	800
YCS064	(Not display)	000~015	006
YCS065	(Not display)	000~255	010
YCS066	(Not display)	000~255	032
YCS067	(Not display)	000~255	031
YCS068	(Not display)	000~255	064
YCS069	(Not display)	000 / 001	000
YCS070	(Not display)	000 / 001	001
YCS071	(Not display)	000 / 001	001
YCS072	(Not display)	000 / 001	001
YCS073	(Not display)	000 / 001	000
YCS074	(Not display)	000 / 001	001
YCS075	(Not display)	000 / 001	000
YCS076	(Not display)	000 / 001	000
YCS077	(Not display)	000 / 001	001

		Variable	Initial setting
Item No.	Item name	range	value
YCS078	(Not display)	000 / 001	000
YCS079	(Not display)	000 / 001	000
YCS080	(Not display)	000~003	003
YCS081	(Not display)	000 / 001	000
YCS082	(Not display)	000~255	000
YCS083	(Not display)	000~255	000
YCS084	(Not display)	000~007	000
YCS085	(Not display)	000~255	014
YCS086	(Not display)	000 / 001	000
YCS087	(Not display)	000 / 001	001
YCS088	(Not display)	000 / 001	000
YCS089	(Not display)	000 / 001	000
YCS090	(Not display)	000~255	136
YCS091	(Not display)	000 / 001	001
YCS092	(Not display)	000 / 001	001
YCS093	(Not display)	000 / 001	001
YCS094	(Not display)	000~003	000
YCS095	(Not display)	000~015	015
YCS096	(Not display)	000~015	004
YCS097	(Not display)	000 / 001	001
YCS098	(Not display)	000~127	007
YCS099	(Not display)	000~031	000
YCS100	(Not display)	000 / 001	000
YCS101	(Not display)	000~015	003
YCS102	(Not display)	000~007	002
YCS103	(Not display)	000~031	016
YCS104	(Not display)	000~255	235
YCS105	(Not display)	000~003	000
YCS106	(Not display)	000~063	000
YCS107	(Not display)	000~015	003
YCS108	(Not display)	000~015	003
YCS109	(Not display)	000 / 001	000
YCS110	(Not display)	000~003	001
YCS111	(Not display)	000~003	001
YCS112	(Not display)	000~003	001
YCS113	(Not display)	000~003	001
YCS114	(Not display)	000~255	000

# 4.6.3 [3.WHITE BALANCE]

NOTE:

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Initial setting value
BR	(Not display)	000~255	118
DRV R	(Not display)	000~255	089
DRV B	(Not display)	000~255	108
CUT R	(Not display)	000~255	247
CUT G	(Not display)	000~255	244
CUT B	(Not display)	000~255	226

# 4.6.4 [6.CONVER A]

Item No.	Item name		Initial setting value
CPA01	FINE OFF	0 / 1	0
CPA02	TPOH	0~4095	114
CPA03	TPOV LINE	0~255	017
CPA04	TPOV OFST	0~7	0
CPA05	FINEP	0~4095	1245
CPA06	STARTLIN A	0~127	56
CPA07	STARTLIN B	-7~7	-1
CPA08	CAU H2	0~15	0
CPA09	COARS OFST	-511~511	-50
CPA10	V10FSTA	-511~511	7
CPA11	V10FSTB	-31~31	0

Item No.	Item name	Variable Initial setting		setting	value	
item No.	item name	range	GREEN	RED	BLUE	
CCA01	C H CENT	-512~511	0	-240	395	
CCA02	C H SIZE	-512~511	-27	-54	16	
CCA03	C H LIN	-512~511	-96	240	-348	
CCA04	C H SKEW	-512~511	0	0	-10	
CCA05	C EW PIN	-512~511	-91	-26	-17	
CCA06	C H BOW	-512~511	0	-30	21	
CCA07	C V CENT	-512~511	-19	8	12	
CCA08	C V SKEW	-512~511	0	0	4	
CCA09	C V SIZE	-512~511	-108	-77	-105	
CCA10	C V LIN	-512~511	15	12	8	
CCA11	C V KEY	-512~511	0	114	-77	
CCA12	C TB PIN	-512~511	230	153	230	

Item No.	Item name	Variable range	Initial setting value
CDA01	DF DC	-512~511	0
CDA02	DF H1	-512~511	0
CDA03	DF H2	-512~511	0
CDA04	DF V1	-512~511	0
CDA05	DF V2	-512~511	0
CDA06	DF V1H1	-512~511	0
CDA07	DF V2H2	-512~511	0

Item No.	Item name	Variable	Initial setting
		range	value
CBA01	ADD RATIO	0~3	0
CBA02	INTERLACE	0 / 1	0
CBA03	CKOUT FRE	0~3	0
CBA04	DF MUTE	0 / 1	0
CBA05	ODD LEVEL	0 / 1	1
CBA06	HRET SAMPL	0~3	2
CBA07	HRETS	0 / 1	0
CBA08	HRET TIME	-512~511	0
CBA09	H1 CENT RE	0 / 1	1
CBA10	DF CENT RE	0 / 1	0
CBA11	VIPOL	0~127	68
CBA12	V1CENTUP	0~4095	466
CBA13	RVCLMP STR	0~15	0
CBA14	RVCLMPTER	0~15	0
CBA15	RVCLMP CEN	0 / 1	0
CBA16	GVCLMP STR	0~15	0
CBA17	GVCLMPTER	0~15	0
CBA18	GVCLMP CEN	0 / 1	0
CBA19	BVCLMP STR	0~15	0
CBA20	BVCLMPTER	0~15	0
CBA21	BVCLMP CEN	0 / 1	0
CBA22	RHCLMP STR	0~15	0
CBA23	RHCLMPTER	0~15	0
CBA24	RHCLMP CEN	0 / 1	0
CBA25	GHCLMP STR	0~15	0
CBA26	GHCLMPTER	0~15	0
CBA27	GHCLMP CEN	0 / 1	0
CBA28	BHCLMP STR	0~15	0
CBA29	BHCLMPTER	0~15	0
CBA30	BHCLMP CEN	0 / 1	0
CBA31	PATTERN H	0~3	1
CBA32	PATTERN W	0~3	1
CBA33	HATCH PAT	0~15	1
CBA34	CURS SPACE	0~7	1
CBA35	HATCH COL	0~7	2
CBA36	BORDER COL	0~7	0

Item No.	Item name	Variable range	Initial setting value
CBA37	CURSOL COL	0~7	0
CBA38	CROSS COL	0~7	0
CBA39	SQUARE COL	0~7	0
CBA40	XCPOS VPOS	0~31	16
CBA41	XCPOS HPOS	0~31	16
CBA42	CURSOL PAT	0~3	0
CBA43	MTPH1	-32768~32767	0
CBA44	MTPH2	-32768~32767	0
CBA45	MTPV1	-32768~32767	0
CBA46	MTPV2	-32768~32767	0
CBA47	YSP	-7~7	0
CBA48	BL1POSV	0~2047	0
CBA49	BL1POSH	0~4095	0
CBA50	BL2POSV	0~2047	0
CBA51	BL2POSH	0~4095	0
CBA52	XPOSV	0~2047	580
CBA53	XPOSH	0~4095	1012
CBA54	XLLENV	0~2047	276
CBA55	XLLENH	0~4095	450
CBA56	SQ1POSV	0~2047	30
CBA57	SQ1POSH	0~4095	1024
CBA58	SQ1VSIZE	0~255	128
CBA59	SQ1HSIZE	0~255	100
CBA60	SQ2POSV	0~2047	594
CBA61	SQ2POSH	0~4095	282
CBA62	SQ2VSIZE	0~255	100
CBA63	SQ2HSIZE	0~255	110
CBA64	SQ3POSV	0~2047	1008
CBA65	SQ3POSH	0~4095	1024
CBA66	SQ3VSIZE	0~255	160
CBA67	SQ3HSIZE	0~255	100
CBA68	SQ4POSV	0~2047	594
CBA69	SQ4POSH	0~4095	1612
CBA70	SQ4VSIZE	0~255	100
CBA71	SQ4HSIZE	0~255	116
CBA72	SQ5POSV	0~2047	547
CBA73	SQ5POSH	0~4095	1013
CBA74	SQ5VSIZE	0~255	70
CBA75	SQ5HSIZE	0~255	4
CBA76	SQ6POSV	0~2047	580
CBA77	SQ6POSH	0~4095	984
CBA78	SQ6VSIZE	0~255	4
CBA79	SQ6HSIZE	0~255	64
CBA80	SQ7POSV	0~2047	456
CBA81	SQ7POSH	0~4095	888

Item No.	Item name	Variable range	Initial setting value
CBA82	SQ7VSIZE	0~255	255
CBA83	SQ7HSIZE	0~255	255
CBA84	SQ8POSV	0~2047	0
CBA85	SQ8POSH	0~4095	0
CBA86	SQ8VSIZE	0~255	0
CBA87	SQ8HSIZE	0~255	0
CBA88	ODEVP	0~3072	1584
CBA89	DFP	0~4095	0
CBA90	PWMH1P	0~4095	0
CBA91	PWMH1W	0~4095	0
CBA92	PWMV1P	0~1023	0
CBA93	PWMV1W	0~1023	1
CBA94	PWMH2W	0~4095	0

# 4.6.5 [8.IP] (All fixed)

## NOTE:

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Initial setting value
IPA001	(Not display)	000~0FF	0C7
IPA002	(Not display)	000~0FF	000
IPA003	(Not display)	000~0FF	000
IPA004	(Not display)	000~0FF	08A
IPA005	(Not display)	000~01F	001
IPA006	(Not display)	000~0FF	037
IPA007	(Not display)	000~00F	000
IPA008	(Not display)	000~0FF	000
IPA009	(Not display)	000~00F	000
IPA010	(Not display)	000~0FF	080
IPA011	(Not display)	000~00F	002
IPA012	(Not display)	000~0FF	02B
IPA013	(Not display)	000~00F	002
IPA014	(Not display)	000~0FF	000
IPA015	(Not display)	000~00F	002
IPA016	(Not display)	000~0FF	080
IPA017	(Not display)	000~00F	001
IPA018	(Not display)	000~0FF	000
IPA019	(Not display)	000~00F	001
IPA020	(Not display)	000~0FF	080
IPA021	(Not display)	000~00F	016
IPA022	(Not display)	000~0FF	023
IPA023	(Not display)	000~00F	000

Item No.	Item name	Variable range	Initial setting value
IPA024	(Not display)	000 / 001	001
IPA025	(Not display)	000 / 001	001
IPA026	(Not display)	000~03F	01F
IPA027	(Not display)	000~003	000
IPA028	(Not display)	000~03F	800
IPA029	(Not display)	000~03F	02B
IPA030	(Not display)	000~00F	005
IPA031	(Not display)	000~007	001
IPA032	(Not display)	000~03F	010
IPA033	(Not display)	000 / 001	001
IPA034	(Not display)	000~03F	039
IPA035	(Not display)	000 / 001	001
IPA036	(Not display)	000~03F	00E
IPA037	(Not display)	000~03F	02E
IPA038	(Not display)	000~03F	01E
IPA039	(Not display)	000~003	002
IPA040	(Not display)	000~003	003
IPA041	(Not display)	000~00F	800
IPA042	(Not display)	000~03F	020

# 4.6.6 [9.DSD] (All fixed)

# NOTE:

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Initial setting value
DSA001	(Not display)	000~03F	01F
DSA002	(Not display)	000~03F	012
DSA003	(Not display)	000~03F	02E
DSA004	(Not display)	000~003	000
DSA005	(Not display)	000 / 001	000
DSA006	(Not display)	000~003	001
DSA007	(Not display)	000~03F	010
DSA008	(Not display)	000 / 001	001
DSA009	(Not display)	000~03F	010
DSA010	(Not display)	000 / 001	001
DSA011	(Not display)	000 / 001	001
DSA012	(Not display)	000~03F	006
DSA013	(Not display)	000~03F	010
DSA014	(Not display)	000~03F	020
DSA015	(Not display)	000~003	001
DSA016	(Not display)	000 / 001	001
DSA017	(Not display)	000~003	000

Item No.	Item name	Variable range	Initial setting value
DSA018	(Not display)	000~03F	000
DSA019	(Not display)	000 / 001	001
DSA020	(Not display)	000~03F	01D
DSA021	(Not display)	000 / 001	001
DSA022	(Not display)	000~03F	00C
DSA023	(Not display)	000 / 001	001
DSA024	(Not display)	000~03F	006
DSA025	(Not display)	000/001	001
DSA026	(Not display)	000~03F	02F
DSA027	(Not display)	000 / 001	001
DSA028	(Not display)	000~03F	007
DSA029	(Not display)	000 / 001	001
DSA030	(Not display)	000 / 001	001
DSA031	(Not display)	000~03F	023
DSA032	(Not display)	000 / 001	000
DSA033	(Not display)	000~003	000
DSA034	(Not display)	000~03F	800
DSA035	(Not display)	000 / 001	001
DSA036	(Not display)	000 / 001	001
DSA037	(Not display)	000~03F	023
DSA038	(Not display)	000 / 001	000
DSA039	(Not display)	000~003	000
DSA040	(Not display)	000~03F	800
DSA041	(Not display)	000 / 001	001
DSA042	(Not display)	000 / 001	001
DSA043	(Not display)	000 / 001	001
DSA044	(Not display)	000~03F	011
DSA045	(Not display)	000 / 001	000
DSA046	(Not display)	000~003	002
DSA047	(Not display)	000~03F	005
DSA048	(Not display)	000 / 001	001
DSA049	(Not display)	000~03F	000
DSA050	(Not display)	000 / 001	001
DSA051	(Not display)	000~03F	00B
DSA052	(Not display)	000 / 001	001
DSA053	(Not display)	000 / 001	001

Item No.	Item name	Variable range	Initial setting value
DSB001	(Not display)	(Not display)	01F
DSB002	(Not display)	(Not display)	012
DSB003	(Not display)	(Not display)	02E
DSB004	(Not display)	(Not display)	000
DSB005	(Not display)	(Not display)	000
DSB006	(Not display)	(Not display)	001
DSB007	(Not display)	(Not display)	011
DSB008	(Not display)	(Not display)	001
DSB009	(Not display)	(Not display)	010
DSB010	(Not display)	(Not display)	001
DSB011	(Not display)	(Not display)	001
DSB012	(Not display)	(Not display)	008
DSB013	(Not display)	(Not display)	012
DSB014	(Not display)	(Not display)	025
DSB015	(Not display)	(Not display)	001
DSB016	(Not display)	(Not display)	001
DSB017	(Not display)	(Not display)	001
DSB018	(Not display)	(Not display)	000
DSB019	(Not display)	(Not display)	001
DSB020	(Not display)	(Not display)	010
DSB021	(Not display)	(Not display)	001
DSB022	(Not display)	(Not display)	00C
DSB023	(Not display)	(Not display)	001
DSB024	(Not display)	(Not display)	005
DSB025	(Not display)	(Not display)	001
DSB026	(Not display)	(Not display)	02F
DSB027	(Not display)	(Not display)	001
DSB028	(Not display)	(Not display)	007
DSB029	(Not display)	(Not display)	001
DSB030	(Not display)	(Not display)	001
DSB031	(Not display)	(Not display)	023
DSB032	(Not display)	(Not display)	000
DSB033	(Not display)	(Not display)	000
DSB034	(Not display)	(Not display)	008
DSB035	(Not display)	(Not display)	001
DSB036 DSB037	(Not display) (Not display)	(Not display)	001 023
DSB037 DSB038	(Not display)	(Not display)	000
DSB036 DSB039		(Not display)	
DSB039 DSB040	(Not display) (Not display)	(Not display) (Not display)	000
DSB040 DSB041	(Not display)	(Not display)	000
DSB041 DSB042	(Not display)	(Not display)	001
DSB042 DSB043	(Not display)	(Not display)	001
DSB043 DSB044	(Not display)	(Not display)	00T
DSB044 DSB045			
D3D043	(Not display)	(Not display)	000

Item No.	Item name	Variable range	Initial setting value
DSB046	(Not display)	(Not display)	002
DSB047	(Not display)	(Not display)	005
DSB048	(Not display)	(Not display)	001
DSB049	(Not display)	(Not display)	000
DSB050	(Not display)	(Not display)	001
DSB051	(Not display)	(Not display)	010
DSB052	(Not display)	(Not display)	001
DSB053	(Not display)	(Not display)	001

DSC001 DSC002 DSC003 DSC004 DSC005 DSC006 DSC007	(Not display)	000~00F 000~0FF 000~03F 000~003 000~0FF	008 098 01F 000
DSC003  DSC004  DSC005  DSC006  DSC007	(Not display) (Not display) (Not display) (Not display)	000~03F 000~003 000~0FF	01F 000
DSC004 DSC005 DSC006 DSC007	(Not display) (Not display) (Not display)	000~003 000~0FF	000
DSC005 DSC006 DSC007	(Not display) (Not display)	000~0FF	II.
DSC006 DSC007	(Not display)		000
DSC007		000 / 001	11
	(Not display)		000
DOCCCC		000 / 001	000
DSC008	(Not display)	000 / 001	000
DSC009	(Not display)	000~00F	000
DSC010	(Not display)	000~0FF	000
DSC011	(Not display)	000~00F	00F
DSC012	(Not display)	000~0FF	0FF
DSC013	(Not display)	000~00F	001
DSC014	(Not display)	000~0FF	0E8
DSC015	(Not display)	000~00F	005
DSC016	(Not display)	000~0FF	018
DSC017	(Not display)	000~00F	000
DSC018	(Not display)	000~0FF	000
DSC019	(Not display)	000~00F	000
DSC020	(Not display)	000~0FF	000
DSC021	(Not display)	000~00F	000
DSC022	(Not display)	000~0FF	000
DSC023	(Not display)	000~00F	000
DSC024	(Not display)	000~0FF	000
DSC025	(Not display)	000~00F	000
DSC026	(Not display)	000~0FF	080
DSC027	(Not display)	000~00F	000
DSC028	(Not display)	000~0FF	040
DSC029	(Not display)	000~00F	005
DSC030	(Not display)	000~0FF	040
DSC031	(Not display)	000~00F	000
DSC032	(Not display)	000~0FF	0C0
DSC033	(Not display)	000~00F	000
DSC034	(Not display)	000~0FF	080
DSC035	(Not display)	000~00F	000

Item No.	Item name	Variable range	Initial setting value
DSC036	(Not display)	000~0FF	040
DSC037	(Not display)	000~00F	005
DSC038	(Not display)	000~0FF	040
DSC039	(Not display)	000~00F	000
DSC040	(Not display)	000~0FF	0C0
DSC041	(Not display)	000~00F	004
DSC042	(Not display)	000~0FF	075
DSC043	(Not display)	000 / 001	000
DSC044	(Not display)	000 / 001	000

Item No.	Item name	Variable range	Initial setting value
DSD001	(Not display)	000~255	001
DSD002	(Not display)	000~255	002
DSD003	(Not display)	000~255	001
DSD004	(Not display)	000~255	002
DSD005	(Not display)	000~255	001
DSD006	(Not display)	000~255	002
DSD007	(Not display)	000~255	001
DSD008	(Not display)	000~255	002
DSD009	(Not display)	-128~127	+001
DSD010	(Not display)	-128~127	+001
DSD011	(Not display)	-128~127	+002
DSD012	(Not display)	-128~127	+002
DSD013	(Not display)	-128~127	-001
DSD014	(Not display)	-128~127	+001
DSD015	(Not display)	000~0FF	001
DSD016	(Not display)	000~0FF	001
DSD017	(Not display)	000~0FF	001

# 4.6.7 [0.HDMI] (All fixed)

#### NOTE

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Initial setting value
HDM001	(Not display)	000 / 001	000
HDM002	(Not display)	000 / 001	000
HDM003	(Not display)	000 / 001	000
HDM004	(Not display)	000 / 001	000
HDM005	(Not display)	000 / 001	001
HDM006	(Not display)	000~003	000
HDM007	(Not display)	000 / 001	000
HDM008	(Not display)	000 / 001	000

Item No.	Item name	Variable range	Initial setting value
HDM009	(Not display)	000 / 001	000
HDM010	(Not display)	000 / 001	000
HDM011	(Not display)	000 / 001	000
HDM012	(Not display)	000 / 001	000
HDM013	(Not display)	000 / 001	001
HDM014	(Not display)	000 / 001	000
HDM015	(Not display)	000 / 001	000
HDM016	(Not display)	000~255	000
HDM017	(Not display)	000~255	000
HDM018	(Not display)	000~255	000
HDM019	(Not display)	000 / 001	001
HDM020	(Not display)	000~255	000
HDM021	(Not display)	000~007	002
HDM022	(Not display)	000~063	006
HDM023	(Not display)	000~063	006
HDM024	(Not display)	000~063	006
HDM025	(Not display)	000 / 001	000
HDM026	(Not display)	000~003	000
HDM027	(Not display)	000~255	212
HDM028	(Not display)	000~003	000
HDM029	(Not display)	000~255	192
HDM030	(Not display)	000~003	000
HDM031	(Not display)	000~255	212
HDM032	(Not display)	000~003	000
HDM033	(Not display)	000~255	191
HDM034	(Not display)	000~003	001
HDM035	(Not display)	000~255	012
HDM036	(Not display)	000~255	026
HDM037	(Not display)	000~255	001
HDM038	(Not display)	000~255	012
HDM039	(Not display)	000 / 001	001
HDM040	(Not display)	000 / 001	001
HDM041	(Not display)	000 / 001	000
HDM042	(Not display)	000~255	001
HDM043	(Not display)	000~007	003
HDM044	(Not display)	000~003	000
HDM045	(Not display)	000~003	000
HDM046	(Not display)	000 / 001	001
HDM047	(Not display)	000~015	007
HDM048	(Not display)	000~255	000
HDM049	(Not display)	000~255	000
HDM050	(Not display)	000~015	000
HDM051	(Not display)	000 / 001	000
HDM052	(Not display)	000 / 001	000
HDM053	(Not display)	000 / 001	000

Item No.	Item name	Variable range	Initial setting value
HDM054	(Not display)	000 / 001	000
HDM055	(Not display)	000 / 001	000
HDM056	(Not display)	000 / 001	000
HDM057	(Not display)	000 / 001	001
HDM058	(Not display)	000 / 001	000
HDM059	(Not display)	000 / 001	001
HDM060	(Not display)	000 / 001	000
HDM061	(Not display)	000 / 001	001
HDM062	(Not display)	000 / 001	001
HDM063	(Not display)	000 / 001	000
HDM064	(Not display)	000 / 001	000
HDM065	(Not display)	000 / 001	001
HDM066	(Not display)	000 / 001	000
HDM067	(Not display)	000 / 001	001
HDM068	(Not display)	000~031	004
HDM069	(Not display)	000 / 001	000
HDM070	(Not display)	000 / 001	001
HDM071	(Not display)	000 / 001	000
HDM072	(Not display)	000 / 001	000
HDM073	(Not display)	000 / 001	000
HDM074	(Not display)	000~031	800
HDM075	(Not display)	000 / 001	001
HDM076	(Not display)	000 / 001	001
HDM077	(Not display)	000 / 001	001
HDM078	(Not display)	000 / 001	001
HDM079	(Not display)	000 / 001	001
HDM080	(Not display)	000 / 001	001

Item No.	Item name	Variable range	Initial setting value
RHD001	(Not display)	(Not display)	001
RHD002	(Not display)	(Not display)	000
RHD003	(Not display)	(Not display)	042
RHD004	(Not display)	(Not display)	099
RHD005	(Not display)	(Not display)	000
RHD006	(Not display)	(Not display)	000
RHD007	(Not display)	(Not display)	0B7
RHD008	(Not display)	(Not display)	0FF
RHD009	(Not display)	(Not display)	0FF
RHD010	(Not display)	(Not display)	0FE
RHD011	(Not display)	(Not display)	0FF
RHD012	(Not display)	(Not display)	000
RHD013	(Not display)	(Not display)	0FB
RHD014	(Not display)	(Not display)	0FF
RHD015	(Not display)	(Not display)	0E3
RHD016	(Not display)	(Not display)	0FF

Item No.	Item name	Variable range	Initial setting value
RHD017	(Not display)	(Not display)	0FF
RHD018	(Not display)	(Not display)	0DE
RHD019	(Not display)	(Not display)	0FF
RHD020	(Not display)	(Not display)	0FB
RHD021	(Not display)	(Not display)	0FE
RHD022	(Not display)	(Not display)	0DF
RHD023	(Not display)	(Not display)	0FF
RHD024	(Not display)	(Not display)	0F7
RHD025	(Not display)	(Not display)	0B3
RHD026	(Not display)	(Not display)	0E7
RHD027	(Not display)	(Not display)	000
RHD028	(Not display)	(Not display)	000
RHD029	(Not display)	(Not display)	000
RHD030	(Not display)	(Not display)	000
RHD031	(Not display)	(Not display)	000
RHD032	(Not display)	(Not display)	000
RHD033	(Not display)	(Not display)	0E0
RHD034	(Not display)	(Not display)	001
RHD035	(Not display)	(Not display)	023
RHD036	(Not display)	(Not display)	00A
RHD037	(Not display)	(Not display)	000
RHD038	(Not display)	(Not display)	000
RHD039	(Not display)	(Not display)	000
RHD040	(Not display)	(Not display)	000
RHD041	(Not display)	(Not display)	000
RHD042	(Not display)	(Not display)	020
RHD043	(Not display)	(Not display)	000
RHD044	(Not display)	(Not display)	000
RHD045	(Not display)	(Not display)	000
RHD046	(Not display)	(Not display)	000
RHD047	(Not display)	(Not display)	00C
RHD048	(Not display)	(Not display)	000
RHD049	(Not display)	(Not display)	068
RHD050	(Not display)	(Not display)	03C
RHD051	(Not display)	(Not display)	001
RHD052	(Not display)	(Not display)	008
RHD053	(Not display)	(Not display)	004
RHD054	(Not display)	(Not display)	000
RHD055	(Not display)	(Not display)	000
RHD056	(Not display)	(Not display)	000
RHD057	(Not display)	(Not display)	000
RHD058	(Not display)	(Not display)	000
RHD059	(Not display)	(Not display)	00B
RHD060	(Not display)	(Not display)	002
RHD061	(Not display)	(Not display)	000

Item No.	Item name	Variable range	Initial setting value
RHD062	(Not display)	(Not display)	000
RHD063	(Not display)	(Not display)	000
RHD064	(Not display)	(Not display)	000
RHD065	(Not display)	(Not display)	000
RHD066	(Not display)	(Not display)	000
RHD067	(Not display)	(Not display)	000
RHD068	(Not display)	(Not display)	000
RHD069	(Not display)	(Not display)	000
RHD070	(Not display)	(Not display)	000
RHD071	(Not display)	(Not display)	000
RHD072	(Not display)	(Not display)	000
RHD073	(Not display)	(Not display)	000
RHD074	(Not display)	(Not display)	000
RHD075	(Not display)	(Not display)	000
RHD076	(Not display)	(Not display)	000
RHD077	(Not display)	(Not display)	000
RHD078	(Not display)	(Not display)	000
RHD079	(Not display)	(Not display)	000
RHD080	(Not display)	(Not display)	000
RHD081	(Not display)	(Not display)	000
RHD082	(Not display)	(Not display)	000
RHD083	(Not display)	(Not display)	000
RHD084	(Not display)	(Not display)	000
RHD085	(Not display)	(Not display)	000
RHD086	(Not display)	(Not display)	000
RHD087	(Not display)	(Not display)	000
RHD088	(Not display)	(Not display)	000
RHD089	(Not display)	(Not display)	000
RHD090	(Not display)	(Not display)	000
RHD091	(Not display)	(Not display)	000
RHD092	(Not display)	(Not display)	000
RHD093	(Not display)	(Not display)	000
RHD094	(Not display)	(Not display)	000
RHD095	(Not display)	(Not display)	000
RHD096	(Not display)	(Not display)	000
RHD097	(Not display)	(Not display)	000
RHD098	(Not display)	(Not display)	000
RHD099	(Not display)	(Not display)	000
RHD100	(Not display)	(Not display)	000
RHD101	(Not display)	(Not display)	000
RHD102	(Not display)	(Not display)	000
RHD103	(Not display)	(Not display)	000
RHD104	(Not display)	(Not display)	000
RHD105	(Not display)	(Not display)	000
RHD106	(Not display)	(Not display)	000

Item No.	Item name	Variable range	Initial setting value
RHD107	(Not display)	(Not display)	000
RHD108	(Not display)	(Not display)	000
RHD109	(Not display)	(Not display)	000
RHD110	(Not display)	(Not display)	000
RHD111	(Not display)	(Not display)	000
RHD112	(Not display)	(Not display)	000
RHD113	(Not display)	(Not display)	000
RHD114	(Not display)	(Not display)	000
RHD115	(Not display)	(Not display)	000
RHD116	(Not display)	(Not display)	000
RHD117	(Not display)	(Not display)	000
RHD118	(Not display)	(Not display)	000
RHD119	(Not display)	(Not display)	000
RHD120	(Not display)	(Not display)	000
RHD121	(Not display)	(Not display)	000
RHD122	(Not display)	(Not display)	000
RHD123	(Not display)	(Not display)	000
RHD124	(Not display)	(Not display)	000
RHD125	(Not display)	(Not display)	000
RHD126	(Not display)	(Not display)	000
RHD127	(Not display)	(Not display)	000
RHD128	(Not display)	(Not display)	000
RHD129	(Not display)	(Not display)	000
RHD130	(Not display)	(Not display)	000
RHD131	(Not display)	(Not display)	000
RHD132	(Not display)	(Not display)	000
RHD133	(Not display)	(Not display)	000
RHD134	(Not display)	(Not display)	000
RHD135	(Not display)	(Not display)	000
RHD136	(Not display)	(Not display)	000
RHD137	(Not display)	(Not display)	000
RHD138	(Not display)	(Not display)	000
RHD139	(Not display)	(Not display)	000
RHD140	(Not display)	(Not display)	000
RHD141	(Not display)	(Not display)	000
RHD142	(Not display)	(Not display)	000
RHD143	(Not display)	(Not display)	000
RHD144	(Not display)	(Not display)	000
RHD145	(Not display)	(Not display)	000
RHD146	(Not display)	(Not display)	000
RHD147	(Not display)	(Not display)	000
RHD148	(Not display)	(Not display)	000
RHD149	(Not display)	(Not display)	000
RHD150	(Not display)	(Not display)	000
RHD151	(Not display)	(Not display)	000

Item No.	Item name	Variable range	Initial setting value
RHD152	(Not display)	(Not display)	000
RHD153	(Not display)	(Not display)	000
RHD154	(Not display)	(Not display)	000
RHD155	(Not display)	(Not display)	000
RHD156	(Not display)	(Not display)	000
RHD157	(Not display)	(Not display)	000
RHD158	(Not display)	(Not display)	000
RHD159	(Not display)	(Not display)	000
RHD160	(Not display)	(Not display)	000
RHD161	(Not display)	(Not display)	000
RHD162	(Not display)	(Not display)	000
RHD163	(Not display)	(Not display)	000
RHD164	(Not display)	(Not display)	000
RHD165	(Not display)	(Not display)	000
RHD166	(Not display)	(Not display)	000
RHD167	(Not display)	(Not display)	000
RHD168	(Not display)	(Not display)	000
RHD169	(Not display)	(Not display)	000
RHD170	(Not display)	(Not display)	000

# 4.7 ADJUSTMENT PROCEDURE

# 4.7.1 CHECK ITEMS

Item	Measuring instrument	Test point	Adjustment part	Description
X-RAY PROTECTOR check	Resistor [6.8k $\Omega$ 1/4W ±34 $\Omega$ ]	S1 connector 2 pin : X-Ray2 3 pin : X-Ray1 [DEF/ CONVEGENCE OUT PWB]		<ul> <li>(1) Receive NTSC whole black signal.</li> <li>(2) Connect resistor 6.8kΩ (1/4W, ±34Ω) between 2 pin &amp; 3 pin of the S1 connector.</li> <li>(3) Confirm that the X-RAY protector functions operated.</li> </ul>
S1 CONNEC	3 4 5	CN008 2	6.8k	RESISTOR (Ω±34Ω 1/4W
HIGH VOLTAGE check	Signal generator HV voltmeter	CRT Anode		<ul> <li>(1) Receive NTSC whole black signal.</li> <li>(2) Connect the HV voltmeter between CRT anode and GND.</li> <li>(3) Check the high voltage DC 31.0kV (+0.15kV / -1.3kv).</li> </ul>

# 4.7.2 HORIZONTAL FREQUENCY ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
H. FREQUENCY adjustment	Signal generator Remote control unit		[1.PICTURE/SOUND] D15 : H. FREQ. D18 : DEF. RST	<ul> <li>(1) Receive NTSC crosshatch signal.</li> <li>(2) Select FULL mode with [ASPECT] key.</li> <li>(3) Select 1. PICTURE/SOUND from SERVICE MENU.</li> <li>(4) Select &lt; D18 &gt; (DEF. RST) and change the data 0 to 1 (free run).</li> </ul>
'	m synchronization	nce) (Horiz	m synchronization zontal frequency imal condition)	<ul> <li>(5) While observing the screen, adjust the &lt; D15 &gt;</li></ul>

# 4.7.3 FOCUS & BEAM SPOT ADJUSTMENT

ITAM	Measuring instrument	Test point	Adjustment part	Description
FOCUS & S BEAM SPOT adjustment	-	Test point	Adjustment part  TEST MODE [5.CONVER OFF]  R Def. yoke (DY) G Def. yoke (DY) B Def. yoke (DY) [PROJECTION UNIT]  R LENS FOCUS screw G LENS FOCUS screw G LENS FOCUS screw [PROJECTION UNIT (LENS ASS'Y)]  4 pole magnet 2 pole magnet [PROJECTION UNIT (R / G / B CRT neck)]  R FOCUS VR G FOCUS VR B FOCUS VR [FOCUS PACK]	(1) Receive NTSC crosshatch signal. (2) Select FULL mode with [ASPECT] key. (3) Select DYNAMIC mode with [VIDEO STATUS] key. (4) Select 5.CONVER OFF from TEST MODE menuthen dot pattern is appear. (5) Press [INPUT] key to appear crosshatch pattern. (6) Adjust the R, G and B DY position to mark straigh horizontal line.  LENS FOCUS  (1) Makes a red single color.
	PROJECTION (CRT action of the control of the contro	4 POLE 2 PMAGNET MA N UNIT & LENS Adjustment location)  T adjustment poin  Cle center 2 pole	t	bottom, on either side, in the diagonal. When the difference of the focus is big, it removes a main lens, and it puts a washer between the main lens and the coupler and adjusts it.  BEAM SPOT  (5) Change dot pattern with [INPUT] key. (6) Makes a red single color. (7) Turn the R FOCUS VR clockwise from just focus point, to set the dot diameter approx. to Ø30mm. (8) Turn the 4 pole magnet of the projection unit CR neck and make beam shape round as circle on the position between center and both ends of the screen.  (9) Adjust the R FOCUS VR for optimum focus at the position indicated in the figure. (10) Turn the 2 pole magnet of the CRT neck as optimum focus and defocus center should become the same point.  (11) In the same manner, adjust for the green and blue single color focus. (12) Secure the 4 and 2 pole magnets with similar adher sive.  CRT FOCUS (13) Receive NTSC crosshatch signal. (14) Select DYNAMIC mode with [VIDEO STATUS] key (15) Makes a red single color. (16) Adjust the R FOCUS VR for optimum focus at the position indicated in the figure. (17) In the same manner, adjust for the green and blue single color focus.

#### 4.7.4 DEFLECTION & CONVERGENCE ADJUSTMENT

- · The adjustment using the remote control unit is made on the basis of the initial setting values.
- · The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- At first the adjustment in FULL mode should be done, then the data for the other ASPECT mode is corrected in the respective value at the same time.

#### 4.7.4.1 FLOWCHART OF ADJUSTMENT

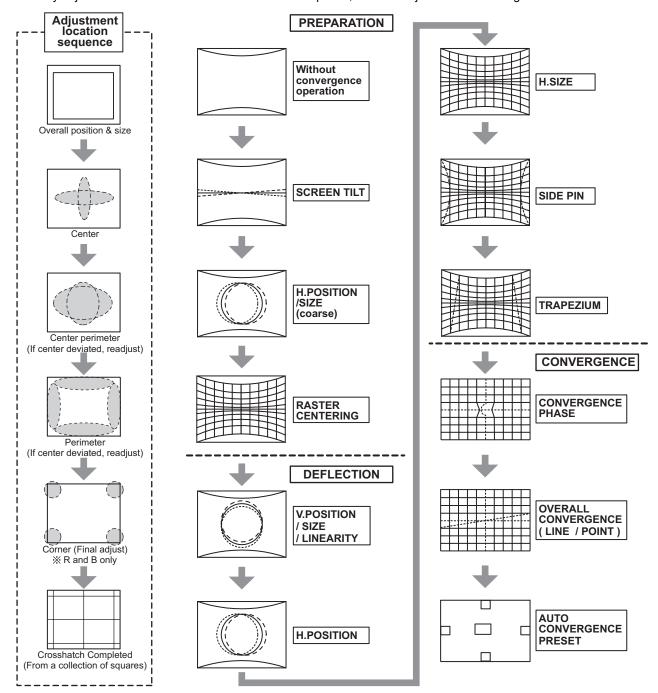
#### **CAUTION:**

All adjustments of the DEFLECTION circuit for this model should be carried out under the status without convergence operation. To enter the mode without convergence operation, select 1.PICTURE/SOUND and change the data in the setting item F62 from 0 to 1. (For details, please refer to the adjustment of DEFLECTION.)

As a result, you can get the screen as shown in bellow figure. Adjust the DEFLECTION circuit in order of the steps indicated by the downward arrows.

#### NOTE:

When every adjustment of the DEFLECTION circuit has completed, start the adjustment of convergence.



# 4.7.4.2 PREPARATION

Item	Measuring instrument	Test point	Adjustment part	Description
SCREEN TILT adjustment	Signal generator Remote control unit		TEST MODE [5.CONVER OFF]  G DEF. YOKE R DEF. YOKE B DEF. YOKE [PROJECTION UNIT]	<ul> <li>Confirm correct FOCUS adjustment.</li> <li>(1) Receive NTSC crosshatch signal.</li> <li>(2) Enter TEST MODE [5.CONVER OFF].</li> <li>(3) Select crosshatch pattern with [INPUT] key.</li> <li>(4) Makes a green single color.</li> <li>NOTE:  When making a single color, while adjusting of one CRT, put the cap on other lens.</li> <li>(5) Temporarily secure the G deflection yoke to the top of the neck and adjust the tilt of the deflection yoke so that the horizontal line at the center becomes flat After adjustment, fasten the temporal screw.</li> <li>(6) Adjust the tilt of the R and B deflection yokes in the same manner as for green.</li> <li>NOTE:  Make sure that the adjustment of CRT FOCUS is optimized at the center and at the fringe of the center in turn. If the proper adjustment has not been done</li> </ul>
H. POSITION / SIZE (coarse) adjustment	Signal generator  Remote control unit		[1.PICTURE/SOUND] D03: H. SIZE D14: H. CENTER F62: Without convergence operation	adjust FOCUS VR again.  (1) Receive NTSC circle (or crosshatch) signal. (2) Select 1. PICTURE/SOUND from SERVICE MENU (3) Select < F62 > (Without convergence operation) with [CH +] / [CH -] keys. (4) Change the data 0 to 1, then it makes picture without convergence operation. (5) Makes a green single color.  NOTE:  When making a single color, while adjusting of one CRT, put the cap on other lens. (6) Select < D03 > (H. SIZE) and shorten the level until and perpendicular amplitude of vibration with until the blanking in Left and Right and on either side carbe seen. (7) Select < D14 > (H. CENTER) and adjust horizontal position to make the screen center and signal center. (8) Select < D03 > and adjust horizontal size to make screen picture approx. 92% of H-SIZE. (9) Press [MUTING] key to memorize the set value. (10) After adjustment, select < F62 > and change the data 1 to 0.
RASTER CENTERING adjustment	Signal generator Remote control unit	ce	TEST MODE [5. CONVER OFF]  G CENTERING magnet R CENTERING magnet B CENTERING magnet [DEF. YOKE]	<ul> <li>(11) Press [MUTING] key to memorize the set value.</li> <li>NOTE:  Carry out after finishing adjustment of H. POSITION and H. SIZE.  (1) Receive NTSC crosshatch signal. (2) Enter TEST MODE [5.CONVER OFF]. (3) Select crosshatch pattern with [INPUT] key. (4) Adjust G CENTERING magnet to make horizonta and vertical line center as mechanical center of screen.</li> <li>(5) Red and blue color too, are reflected by it.</li> <li>(6) Using R CENTERING magnet and B CENTERING magnet, adjusts for the line of the red(L1) and the blue(L2) to become the position of the left figure.</li> <li>NOTE:  Vertical center position of the red and blue are the same as green.</li> </ul>

# 4.7.4.3 DEFLECTION ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
V. POSITION / SIZE / LINEARITY adjustment	Signal generator Remote control unit		[1.PICTURE/SOUND] D01 : V. SIZE D05 : V. LINE D06 : V. CENT F62 : Without convergence operation	<ul> <li>To memorize every time after finish adjustment on each mode.</li> <li>(1) Receive NTSC circle pattern signal.</li> <li>(2) Select FULL mode with [ASPECT] key.</li> <li>(3) Select 1. PICTURE/SOUND from SERVICE MENU.</li> <li>(4) Select &lt; F62 &gt; (Without convergence operation).</li> <li>(5) Change the data 0 to 1, then it makes picture without</li> </ul>
<u>↓</u>		o-signal area  o-signal area  AV-56F	A A A B B A	convergence operation.  (6) Select < D01 > (V. SIZE), < D05 > (V. LINE) and < D06 > (V. CENT).  (7) Adjust < D01 >, < D05 > and < D06 > to make A = B (precision ±2mm), and adjust to make C same value as table.  (8) Press [MUTING] key to memorize the set value.  (9) After adjustment, select < F62 > and change the data 1 to 0.  (10) Press [MUTING] key to memorize the set value.  NOTE:
	C 35m	AV-30F	m	Do not adjust < D04 > (V. SCORE), if it is different vertical position after adjust vertical linearity, to adjust vertical position.
H. POSITION adjustment	Signal generator  Remote control unit	- <b>E</b>	1	<ol> <li>(1) Receive NTSC circle pattern signal.</li> <li>(2) Select FULL mode with [ASPECT] key.</li> <li>(3) Select 1. PICTURE/SOUND from SERVICE MENU.</li> <li>(4) Select &lt; F62 &gt; (Without convergence operation).</li> <li>(5) Change the data 0 to 1, then it makes picture without convergence operation.</li> <li>(6) Select &lt; D14 &gt; (H. CENTER).</li> <li>(7) Adjust &lt; D14 &gt; to make D = E as shown figure.</li> <li>(8) Press [MUTING] key to memorize the set value.</li> <li>(9) After adjustment, select &lt; F62 &gt; and change the data 1 to 0.</li> <li>(10) Press [MUTING] key to memorize the set value.</li> </ol>
H. SIZE adjustment		creen size (92%)   icture size 100%	[1.PICTURE/SOUND] D03 : H. SIZE F62 : Without convergence operation	<ol> <li>(1) Receive NTSC crosshatch signal.</li> <li>(2) Select FULL mode with [ASPECT] key.</li> <li>(3) Select 1. PICTURE/SOUND from SERVICE MENU.</li> <li>(4) Select &lt; F62 &gt; (Without convergence operation).</li> <li>(5) Change the data 0 to 1, then it makes picture without convergence operation.</li> <li>(6) Select &lt; D03 &gt; (H. SIZE).</li> <li>(7) Adjust &lt; D03 &gt; to make sure that the vertical screen size of the picture size is 92%.</li> <li>(8) Press [MUTING] key to memorize the set value.</li> <li>(9) After adjustment, select &lt; F62 &gt; and change the data 1 to 0.</li> <li>(10) Press [MUTING] key to memorize the set value.</li> </ol>

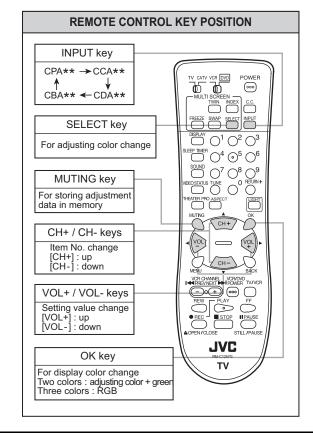
Item	Measuring instrument	Test point	Adjustment part	Description
SIDE PIN adjustment	Signal generator Remote control unit		[1.PICTURE/SOUND] D02 : EW D08 : BOT.CORN D09 : TOP.CORN F62 : Without convergence operation	<ul> <li>(1) Receive NTSC crosshatch signal.</li> <li>(2) Select FULL mode with [ASPECT] key.</li> <li>(3) Select 1. PICTURE/SOUND from SERVICE MENU.</li> <li>(4) Select &lt; F62 &gt; (Without convergence operation).</li> <li>(5) Change the data 0 to 1, then it makes picture without convergence operation.</li> </ul>
		Straight —		<ul> <li>(6) Select &lt; D02 &gt; (EW), &lt; D08 &gt; (BOT.CORN) and &lt; D09 &gt; (TOP.CORN).</li> <li>(7) Adjust &lt; D02 &gt;, &lt; D08 &gt;, &lt; D09 &gt; to make the vertical lines at the left and right edges of the screen straight.</li> <li>(8) Press [MUTING] key to memorize the set value.</li> <li>(9) After adjustment, select &lt; F62 &gt; and change the data 1 to 0.</li> <li>(10) Press [MUTING] key to memorize the set value.</li> <li>NOTE:  After making adjustments, confirm that the horizontal position is properly adjusted. If the horizontal is out of alignment, readjust it. Adjust H. SIZE &amp; SIDE PIN reparably.</li> </ul>
TRAPEZIUM adjustment	Signal generator Remote control unit		[1.PICTURE/SOUND] D07 : EW.TRAP F62 : Without convergence operation	<ul> <li>(1) Receive NTSC crosshatch signal.</li> <li>(2) Select FULL mode with [ASPECT] key.</li> <li>(3) Select 1. PICTURE/SOUND from SERVICE MENU.</li> <li>(4) Select &lt; F62 &gt; (Without convergence operation).</li> <li>(5) Change the data 0 to 1, then it makes picture without</li> </ul>
		Parallel		convergence operation.  (6) Select < D07 > (EW.TRAP).  (7) Adjust < D07 > to bring the vertical lines at the right and left edges of the screen parallel.  (8) Press [MUTING] key to memorize the set value.  (9) After adjustment, select < F62 > and change the data 1 to 0.  (10) Press [MUTING] key to memorize the set value.  NOTE:  After making adjustments, confirm that the horizontal position is properly adjusted. If the horizontal is out of alignment, readjust it. Adjust H. SIZE & SIDE PIN reparably.

#### 4.7.4.4 CONVERGENCE ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part
CONVERGENCE PHASE [check]	Signal generator Remote control unit		[6.CONVER A] CPA04: TPOV OFST CPA05: FINEP CPA06: STARTLIN A CPA07: STARTLIN B CPA08: CAU H2 CPA09: COARS OFST CPA10: V1OFSTA CPA11: V1OFSTB
		1	

Item No.	Item name	Initial setting value
CPA04	TPOV OFST	0
CPA05	FINEP	1245
CPA06	STARTLIN A	56
CPA07	STARTLIN B	-1
CPA08	CAU H2	0
CPA09	COARS OFST	-50
CPA10	V10FSTA	7
CPA11	V10FSTB	0

Table-1



#### NOTE:

Be sure to make it the value of Table1. Supposing data differs, correct to the value of Table1.

**Description** 

When data is corrected (when the [MUTING] key is pushed), it is necessary to perform an AUTO CONVERGENCE PRESET, after a convergence adjusts exactly.

- (1) Receive NTSC crosshatch signal.
- (2) Select 6.CONVER A from SERVICE MENU.
- (3) Select < CPA > item with [INPUT] key.
- (4) Check and set data that < CPA04 > ~ < CPA11> are same value as table1.
- (5) Press [MUTING] key to memorize the set values.

Item	Measuring instrument	Test point	Adj	ustment p	oart	Description
OVERALL CONVERGENCE (LINE) [check]	Signal generator Remote control unit		CPA02 CCA02 CCA02 CCA02 CCA06 CCA06 CCA06 CCA06 CCA06 CCA06 CCA06	NVER A ]  1: FINE OI  1: H CENT  2: H SIZE  3: H LIN  4: H SKEV  5: EW PIN  6: H BOW  7: V CENT  8: V SKEV  9: V SIZE  0: V LIN  1: V KEY  2: TB PIN	FF T W I	NOTE:  Be sure to make it the value of Table2. Supposing data differs, correct to the value of Table2.  When data is corrected (when the [MUTING] key is pushed), it is necessary to perform an AUTO CONVERGENCE PRESET, after a convergence adjusts exactly.  (1) Receive NTSC crosshatch signal.  (2) Select 6.CONVER A from SERVICE MENU.  (3) Select < CPA01 > (FINE OFF).  (4) Change the data 0 to1. (Clear the fine adjustment data)  (5) Select < CCA > item with [INPUT] key. Then a green crosshatch pattern for adjustment will be displayed
Item No.	Item na		l setting va	alue BLUE		on the screen.  (6) Check and set data < CCA01 > ~ < CCA12 > are same value as table2.  (7) Press [SELECT] key to change the adjusting color to
CCA01 H CENT 0 -2		-246	395		red and blue.	

Itama Nia	14	Initia	al setting va	alue
Item No.	Item name	GREEN	RED	BLUE
CCA01	H CENT	0	-246	395
CCA02	H SIZE	-27	-54	16
CCA03	H LIN	-96	240	-348
CCA04	H SKEW	0	0	-10
CCA05	EW PIN	-91	-26	-17
CCA06	H BOW	0	-30	21
CCA07	V CENT	-19	8	12
CCA08	V SKEW	0	0	4
CCA09	V SIZE	-108	-77	-105
CCA10	V. LIN	15	12	8
CCA11	V. KEY	0	114	-77
CCA12	TB PIN	280	153	230

Table-2

NOTE:

Press [OK] key to change the display colors.

Whenever [OK] key is pressed, the menu will sequence in this order: "Two colors (adjusting

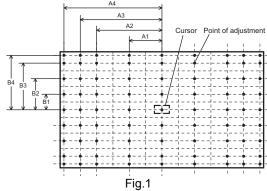
color+green)"  $\rightarrow$  "Three colors (RGB)" (8) Press [MUTING] key to memorize the set value.

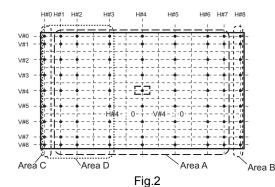
(9) Select < CPA01 >.

(10) Change the < CPA01 > 1 to 0.

(11) Press [MUTING] key to memorize the set values.

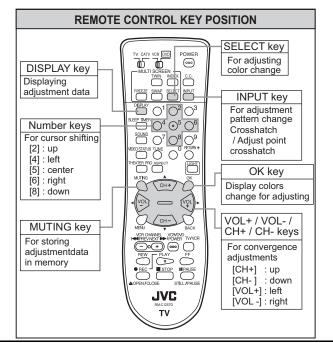
#### 





	A1	A2	A3	A4	B1	B2	В3	В3
48" model	174	348	435	522	82	164	246	287
56" model	204	407	509	611	96	192	287	335

SPAN TABLE (mm)



#### NOTE:

Perform this adjustment after performing OVERALL CONVERGENCE (LINE) check.

Description

It adjusts displaying and checking adjustment data by the [DISPLAY] key. Adjust in order of Area A, Area B, Area C and Area D.

- (1) Receive NTSC crosshatch signal.
- (2) Select 7.CONVER B from SERVICE MENU. Then appear green crosshatch pattern for adjustment. (See Fig.1)
- (3) Press [DISPLAY] key for displaying and checking adjustment data.
- (4) Press [2]/[4]/[5]/[6]/[8] keys respectively, move the cursor to the adjusting point.
- (5) Press [CH+]/[CH-]/[VOL+]/[VOL-] keys, adjust the position of the adjusting point so that it is located at the place as shown in Fig.2.
- (6) Adjust Area A.
- (7) Adjust Area B.
- (8) Adjust Area C.
- (9) Adjust Area D. It adjusts toward an outside from the inner side of a screen. (e.g. H#3 > H#2 > ---) H#0 is fixed data with the value inputted by adjustment of Area C. When the point of H#0 needs to be adjusted, adjusts the data of H#1 and H#2. If the data of H#1 adjusts H#0, H#2 will move, the data of H#2 adjusts H#1 and H#2. It repeats if needed. (See Fig.3)
- (10) Press [SELECT] key to select the red and blue crosshatch patterns, respectively, and make convergence adjustments so that they align with the adjusting points of the green crosshatch pattern (reference color).
- (11) Press [OK] key to change the display colors to three colors from two colors (adjusting color + green) and make sure that the convergence has been aligned with each other.
- (12) Press [MUTING] key to memorize the set values.
- (13) Perform an AUTO CONVERGENCE PRESET. Be sure, after a convergence adjusts exactly. Refer to page 52.

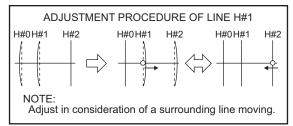
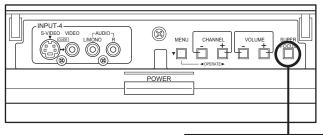


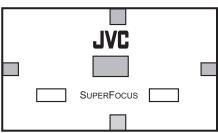
Fig.3

Item	Measuring instrument	Test point	Adjustment part
AUTO CONVERGENCE (SUPER FOCUS)			
setting	Remote control unit		

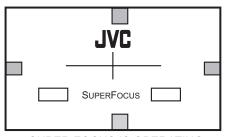
#### FRONT CONTROL



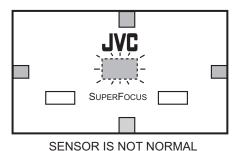
SUPER FOCUS button



PRESET IS OPERATING



SUPER FOCUS IS OPERATING



**AUTO CONVERGENCE (SUPER FOCUS) PRESET** 

Description

AUTO CONVERGENCE PRESET is a work in which you store (memorize) an optimum reference CONVERGENCE in SUPER FOCUS operation in the unit. At the factory, this PRESET has been carried out and memorized in the unit after adjusting CONVERGENCE. However, PRESET will be invalid when the servicing is carried out in accordance with the following conditions. In this case, it is necessary to execute PRESET again.

#### **CONDITIONS THAT RESET IS EXECUTED**

- (1) When the data is memorized with the [MUTING] key on SERVICE MENU 6.CONVER A regardless of the change of data (CPA, CCA, CDA and CBA).
- (2) When the data is memorized with the [MUTING] key on SERVICE MENU 7.CONVER B regardless of CONVERGENCE adjustment.

#### **NOTE FOR PRESET**

- It is required that you must execute PRESET when CONVERGENCE has been properly adjusted because the CONVERGENCE will be a reference to SUPER FOCUS.
- When SENSOR around the SCREEN is replaced to new one, it is also necessary to execute PRESET. In this case, perform RESET according to the steps 1 or 2, then execute PRESET again.

#### **HOW TO EXECUTE PRESET**

When executing SUPER FOCUS with AUTO on CONVERGENCE of the USER MENU or SUPER FOCUS button on the FRONT CONTROL, you can execute PRESET automatically when RESET is applied. In this case, a dimmed block will be displayed in the center of the screen. (When SUPER FOCUS is operated, a crossshape pattern will be displayed in the center of the screen.)

#### NOTE:

When a unicolor block in the center of the screen flashes on and off at PRESET or SUPER FOCUS, it means that the input from SENSOR is not normal (input level is too low). In this case, make sure that SENSOR receives enough light from the backside.

- NOT RECEIVES ENOUGH LIGHT
   It is necessary to readjust RASTER CENTER, H/V SIZE and CONVERGENCE.
- RECEIVES ENOUGH LIGHT
   Failure of the sensor or defects of detection route (circuit).

## 4.7.5 VIDEO ADJUSTMENT

Item		suring ument	Tes	st point	Adj	ustment part	Description
RGB CUTOFF adjustment	Signa gener Oscillo Remo contro	ator oscope ote	TP-G [G CR SOCK TP-B [B CR	ET PWB] ET ET PWB]	S14: C S16: C S18: C R SCR G SCR B SCR	UTOF B EEN VR EEN VR EEN VR	<ul> <li>(1) Receive NTSC signal (include 0% or -3% black).</li> <li>(2) Select STANDARD mode with [VIDEO STATUS] key.</li> <li>(3) Select FULL mode with [ASPECT] key.</li> <li>(4) Set the COLOR TEMP is LOW mode.</li> <li>(5) Connect the oscilloscope to TP-G.</li> <li>(6) Select 1.PICTURE/SOUND from SERVICE MENU.</li> <li>(7) Select &lt; S03 &gt; (BRIGHT).</li> <li>(8) Set &lt; S03 &gt; to 127.</li> </ul>
I	Item No. Item na		name	Initial settir	ng value	1	(9) Select < S16 > (CUTOF G). (10) Adjust < S16 > so that the 0% or -3% signal portion
						=	and the 100% signal portion of both sides may
	S03	BRIGH		12		-	become the 180V.
	S14	CUTOF		18		_	(11) Press [MUTING] key to memorize the set value. (12) Receive 480i component signal (include 0% or -3%
	S16	CUTOF				_	black).
	S18	CUTOF	- B	18	5	_	(13) Select < S03 >. (14) Set < S03 > to 127.
	S20	CUTOF	SWR	00	1	_	(15) Select < S16 >.
	S21	CUTOF	SWG	00	1		(16) Set < S16 > same as memorized NTSC value.
	S22	CUTOF	FSWB	00	1		<ul> <li>(17) Select STANDARD mode with [VIDEO STATUS] key</li> <li>(18) Select FULL mode with [ASPECT] key.</li> <li>(19) The COLOR TEMP set at the LOW mode.</li> <li>(20) Set 1080i component signal (include 0% or -3% black).</li> <li>(21) Select &lt; S03 &gt;.</li> <li>(22) Set &lt; S03 &gt; to 127.</li> <li>(23) Select &lt; S16 &gt;.</li> <li>(24) Set &lt; S16 &gt; same as memorized NTSC value.</li> <li>(25) Connect the oscilloscope to TP-R and &lt; S14 &gt; (CUTOF R) adjust same manner as for 6. ~ 13 above.</li> <li>(26) Connect the oscilloscope to TP-B and &lt; S18 &gt; (CUTOF B) adjust same manner as for 6. ~ 13 above.</li> <li>(27) Adjust SCREEN VR for RGB respectively, so that the black (3%) becomes faintly whitish.</li> </ul>
							NOTE:  If it is difficult to adjust the SCREEN precisely adjust the SCREEN VR for one of three colors while masking other two colors.

Item	Measuring instrument	Test point	Adjustment part	
WHITE	Signal		[3.WHITE BALANCE]	Ī
BALANCE	generator		BR	l
(LOW LIGHT)			CUT R	l
adjustment	Remote control unit		CUT B	

# 3. WHITE BALANCE BRIGHT LEVEL → BR \*\*\* DRIVE → DRV R\*\*\* B\*\*\* CUTOFF → CUT R\*\*\* G\*\*\* B\*\*\* Setting value

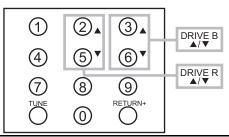
#### REMOTE CONTROL UNIT (2)(3)(1) CUT OFF G ▲/▼ (4)(5) (6)CUT OFF R **▲/▼** (7)**(8) ▲ (9) ▲** CUTOFF B **▲/▼** (0)▼

	1.PICTURE/SO	3.WHITE	BALANCE	
Item No.	Item name	Initial setting value	Item name	Initial setting value
S03	BRIGHT	127	BR	127
S10	DRIVE R	085	DRV R	085
S12	DRIVE B	085	DRV B	085
S14	CUTOF R	185	CUT R	215
S16	CUTOF G	185	CUT G	215
S18	CUTOF B	185	CUT B	215

WHITE	Signal	[1.PICTURE/SOUND]
BALANCE	generator	S10: DRIVE R
(HIGH LIGHT)		S12: DRIVE B
adjustment	Remote	
	control unit	[3.WHITE BALANCE]
		DRV R
		DRV B

Signal	Initial setting value						
Item	NTSC	480i	1080i				
S10	089	052	057				
S12	108	107	109				

#### REMOTE CONTROL UNIT



#### NOTE:

Before starting the adjustment, warm up the unit for more than 30 minutes.

Description

- (1) Receive NTSC gray scale signal (include 0% black).
- (2) Select STANDARD mode with [VIDEO STATUS] kev.
- (3) Set the COLOR TEMP is LOW mode.
- (4) Select 3.WHITE BALANCE from SERVICE MENU.
- (5) Select < BR >, < DRV R >, < DRV B >, < CUT R >, < CUT G > and < CUT B >.
- (6) Set the initial setting value.
- (7) Adjust < BR > so that the LOW-LIGHT should be visible.
- (8) Adjust using [8]/[0] keys and [9]/[RETURN+] keys so that a black portion may become black.
- (9) Press [MUTING] key to memorize the set values.
- (10) Input 480i component signal (include 0% black) from COMPONENT VIDEO terminal.
- (11) Repeat steps 5 ~ 9 above.
- (12) Input 1080i component signal (include 0% black) from COMPONENT VIDEO terminal.
- (13) Repeat steps 5 ~ 9 above.

#### NOTE:

- 3. WHITE BALANCE < BR >, < DRV R >, < DRV B >,
   CUT R >, < CUT G > and < CUT B > are equal to 1.
   PICTURE/SOUND < S03 >, < S10 >, < S12 >, < S14 >,
   S16 > and < S18 >.
- 3. WHITE BALANCE < BR >, < DRV R > and < DRV B > are same value as 1. PICTURE/SOUND < S03 >, < S10 > and < S12 >.
- 3. WHITE BALANCE < CUT R >, < CUT G > and < CUT B > are same value as 1. PICTURE/SOUND < S14 >,
   < S16 > and < S18 > plus 30.
- For example, 3.WHITE BALANCE < BR > value was changed from 127 to 120, 1.PICTURE/SOUND < S03 > value was changed from 127 to 120 automatically.
   3. WHITE BALANCE < CUT R > value was changed from 215 to 210, 1.PICTURE/SOUND < S03 > value was changed from 185 to 180 automatically.
- Receive NTSC grayscale signal (include 75% white).
- (2) Select STANDARD mode with [VIDEO STATUS] key.
- (3) Set the COLOR TEMP is LOW mode.
- (4) Select 1.PICTER/SOUND from SERVICE MENU.
- (5) Select < S10 > (DRIVE R) and < S12 > (DRIVE B).
- (6) Set the initial setting value.
- (7) Select 3.WHITE BALANCE from SERVICE MENU.
- (8) Adjust using [2]/[5]] keys and [3]/[6] keys so that the natural white should be visible on 75% white.
- (9) Press [MUTING] key to memorize the set value.
- (10) Input 480i component grayscale signal (include 75% white) from COMPONENT VIDEO terminal.
- (11) Repeat steps 4 ~ 9 above.
- (12) Input 1080i component grayscale signal (include 75% white) from COMPONENT VIDEO terminal.
- (13) Repeat steps 4 ~ 9 above.

	Item	Measurir instrume		est poi	nt	Adjust	ment p	art	Description
	BRIGHT stment	Signal generator Remote control uni	t			1.PICTUI 603: BRIC		IND]	<ul> <li>(1) Receive NTSC signal (include 0% or -2% black).</li> <li>(2) Select STANDARD mode with [VIDEO STATUS] key.</li> <li>(3) Set the COLOR TEMP is LOW mode.</li> <li>(4) Select 1.PICTURE/SOUND from SERVICE MENU.</li> <li>(5) Select &lt; S03 &gt; (BRIGHT).</li> </ul>
				80i THEATER		<ul> <li>(6) Set the initial setting value. (See Table 1)</li> <li>(7) If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness.</li> <li>(8) Press [MUTING] key to memorize the set values.</li> <li>(9) Select THEATER mode with [VIDEO STATUS] key.</li> </ul>			
S03 118 118 118 118 118 118 Table-1					118	]	<ul> <li>(10) Repeat steps 4 ~ 8 above.</li> <li>(11) Input 480i component signal (include 0% or -2% black) from COMPONENT VIDEO terminal.</li> <li>(12) Repeat steps 2 ~ 10 above.</li> <li>(13) Input 1080i component signal (include 0% or -2% black) from COMPONENT VIDEO terminal.</li> <li>(14) Repeat steps 2 ~ 10 above.</li> </ul>		
	Signal generator S04: CONTRAST  Remote control unit			[ Method of adjustment without measuring instrument ] (1) Receive NTSC glay scale signal. (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Set the COLOR TEMP is LOW mode. (4) Select 1.PICTURE/SOUND from SERVICE MENU.					
	Sign	Signal Setting value  NTSC 480i 1080i			<ul> <li>(5) Select &lt; S04 &gt; (CONTRAST).</li> <li>(6) Set the initial setting value. (See Table 2)</li> <li>(7) If the contrast is not the best with the initial setting</li> </ul>				
	S04	STANDARD 054	THEATER 054	STANDARD 054	THEATER 054	_	THEATER 054		value, make fine adjustment of the < S04 > until you get the optimum contrast.
		"	Т	able-2					<ul> <li>(8) Press [MUTING] key to memorize the set values.</li> <li>(9) Select THEATER mode with [VIDEO STATUS] key.</li> <li>(10) Repeat steps 4 ~ 8 above.</li> <li>(11) Input 480i component black &amp; white signal from COMPONENT VIDEO terminal.</li> <li>(12) Repeat steps 2 ~ 10 above.</li> <li>(13) Receive 1080i component black &amp; white signal from COMPONENT VIDEO terminal.</li> <li>(14) Repeat steps 2 ~ 10 above.</li> </ul>
	TRAST stment (2)	Signal generator Oscillosco Remote	so	G CRT CKET P	5	[1.PICTURE/SOUND] S04: CONTRAST			<ul> <li>[ Method of adjustment with measuring instrument ]</li> <li>(1) Receive NTSC gray scale signal (include -3%).</li> <li>(2) Select STANDARD mode with [VIDEO STATUS] key.</li> <li>(3) Select FULL mode with [ASPECT] key.</li> <li>(4) Set the COLOR TEMP is LOW mode.</li> <li>(5) Connect the oscilloscope to TP-G.</li> </ul>
		control uni	t						(6) Select 1.PICTURE/SOUND from SERVICE MENU. (7) Select < S04 > (CONTRAST).
	Signs	. 11	ING VC	LTAGE [\	/(p-p)]	T		1	(8) Adjust < S04 > so that the -3% signal portion and the 100% signal portion of both sides may become the
	Video Status	Signal NTSC 480i 1080		80i		follow table voltage.  (9) Press [MUTING] key to memorize the set value.			
	STANDARD			80		+	0	-	(10) Select THEATER mode with [VIDEO STATUS] key. (11) Repeat steps 8 ~ 9 above.
	THEATER 60 65 60  Table-3							J	<ul> <li>(12) Receive 480i component gray scale signal (include -3%).</li> <li>(13) Repeat steps 2 ~ 11 above.</li> <li>(14) Set 1080i component gray scale signal (include -3%).</li> <li>(15) Repeat steps 2 ~ 11 above.</li> </ul>

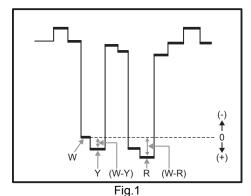
Item		Measuring instrument		Test	point	Adjustment part		
SUB COLO SUB TINT B-Y GAIN adjustmer	1	Signal generator Remote control un		TP-R [R CRT SOCKE TP-B [B CRT SOCKE TP-E (G	T PWB]	S01:		
Signal				Initial set	ing value			

Signal		Initial setting value									
	NT	SC	48	0i	480	Ор	720p / 1080i				
Item \	STANDARD	THEATER	STANDARD THEATER		STANDARD	THEATER	STANDARD	THEATER			
S01	096	083	085	075	079	076	074	071			
S02	060	050	062	068	059	066	065	065			
S07	017	027	012	024	013	018	019	020			

- Description

  [ Method of adjustment without measuring instrument ]
  - (1) Receive NTSC color bar signal (include 75% white).
  - (2) Select STANDARD mode with [VIDEO STATUS] key.
  - (3) Select 1.PICTURE/SOUND from SERVICE MENU.
  - (4) Select < S01 > (COLOR) and < S02 > (TINT).
  - (5) Set the initial setting value.
  - (6) If the color or tint is not the best with the initial setting values, make fine adjustment until you get the best color or the best tint.
  - (7) Select < S07 > (B-Y).
  - (8) Set the initial setting value.
  - (9) If the color bar is not clearly with the initial setting value, make fine adjustment until you get the clearly color bar.
- (10) Press [MUTING] key to memorize the set value.
- (11) Select THEATER mode with [VIDEO STATUS] key.
- (12) Repeat steps 3 ~ 10 above.
- (13) Input 480i component color bar signal from COMPONENT VIDEO terminal.
- (14) Repeat steps 2 ~ 12 above.
- (15) Input 480p component color bar signal from COMPONENT VIDEO terminal.
- (16) Repeat steps 2 ~ 12 above.
- (17) Input 1080i component color bar signal from COMPONENT VIDEO terminal.
- (18) Repeat steps 2 ~ 12 above.

Item	Measuring instrument	Test point	Adjustment part
SUB COLOR /	Signal	TP-R	[1.PICTURE/SOUND]
SUB TINT /	generator	[R CRT	S01 : COLOR
B-Y GAIN		SOCKET PWB]	S02 : TINT
adjustment (2)	Oscilloscope	TP-B	S07 : B-Y
		[B CRT	
	Remote control unit	SOCKET PWB] TP-E (GND)	



(-) † 0 (+)

Fig.2

\ .	Setting item	Setting value [V]							
%	\	A		В		С	D		
		STANDARD		THEATER		STANDARD	THEATER		
Sig	nal	S01 (W-R)	S02 (W-Y)	S01 (W-R)	S02 (W-Y)	S07 (W-B)	S07 (W-B)		
	NTSC	+41	+15	+26	+9	+20	+15		
	480i	+22	+7	+12	+7	+4	-7		
	480p	+33	+18	+16	+7	+2	-4		
	1080i	+27	+12	+12	+5	+2	-4		

Table

# Description [ Method of adjustment with measuring instrument ]

- (1) Receive NTSC color bar signal (include 75% white).
- (2) Select STANDARD mode with [VIDEO STATUS] key.
- (3) Connect the oscilloscope to TP-R.
- (4) Select 1.PICTURE/SOUND from SERVICE MENU.
- (5) Select < S01 > (COLOR) and < S02 > (TINT).
- (6) Adjust < S01 > and < S02 > to be following setting value A[V]. (Refer to the bellow table)
- (7) Press [MUTING] key to memorize the set value.
- (8) Select THEATER mode with [VIDEO STATUS] key.
- (9) Adjust < S01 > and < S02 > to be following setting value B[V] same as above. (Refer to the table)
- (10) Press [MUTING] key to memorize the set value.
- (11) Select STANDARD mode with [VIDEO STATUS] key.
- (12) Connect the oscilloscope to TP-B.
- (13) Adjust < S07 > (B-Y) to be setting value C[V]. (Refer to the table)
- (14) Press [MUTING] key to memorize the set value.
- (15) Select THEATER mode with [VIDEO STATUS] key.
- (16) Adjust < S07 > to be setting value D[V]. (Refer to the table)
- (17) Press [MUTING] key to memorize the set value.
- (18) Confirm that LOW-LIGHT is not different after adjusting. If it is green or magenta, to adjust LOW-LIGHT again. If adjust again, to set offset value again.
- (19) Input 480i component color bar from COMPONENT VIDEO terminal.
- (20) Repeat steps 2 ~ 18 above.
- (21) Input 480p component color bar from COMPONENT VIDEO terminal.
- (22) Repeat steps 2 ~ 18 above.
- (23) Input 1080i component color bar from COMPONENT VIDEO terminal.
- (24) Repeat steps 2 ~ 18 above.

# 4.7.6 AUDIO (MTS) ADJUSTMENT

Itei	m	Measuring instrument	Test point	Adjustme	nt part	Description
MTS INPUT LEVEL check		Remote control unit		[1.PICTURE/SOUND] A01 : IN LEVEL		<ul> <li>(1) Select 1.PICTURE / SOUND from SERVICE MENU.</li> <li>(2) Select &lt; A01 &gt; (IN LEVEL).</li> <li>(3) Verify that &lt; A01 &gt; is set at its initial setting value.</li> </ul>
MTS SEPARATION adjustment		TV audio multiplex signal generator Oscilloscope Remote control unit	AUDIO OUT L output R output	[1.PICTURE/SOUND] A02: LOW SEP. A03: HI SEP.		<ol> <li>Input stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal.</li> <li>Connect an oscilloscope to L OUTPUT pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal.</li> <li>Change the connection of the oscilloscope to R OUTPUT pin of the AUDIO OUT, and enlarge the voltage axis.</li> <li>Select &lt; AD2 &gt; (LOW SEP.).</li> </ol>
	L-Channel R-Channel signal waveform crosstalk  1 cycle				<ul> <li>(5) Set the initial setting value of &lt; A02 &gt;.</li> <li>(6) Adjust &lt; A02 &gt; so that the stroke element of the signal will become minimum.</li> <li>(7) Change the signal to 3kHz, and similarly adjuct &lt; A03 &gt; (HI SEP.).</li> <li>(8) Press [MUTING] key to memorize the set value.</li> </ul>	

# SECTION 5 TROUBLESHOOTING

#### 5.1 SELF-DIAGNOSIS FUNCTIONS

- This model has self-check functions that inform of the failure of the TV by detecting abnormality.
- · Operational state is always monitored and the identified is memorized on the record.

Therefore, diagnosis may be prevented against expectations if "NG" are indicated in many items. When recurrence of symptoms can be predicted, erase (reset) the history of failure and allow the unit to again record the results of diagnosis.

#### 5.1.1 HOW TO ENTER THE SELF-DIAGNOSIS MODE

- (1) Set the < SLEEP TIMER 30 MIN. > with [SLEEP TIMER] key. (Fig.1)
- (2) During the < SLEEP TIMER 30 MIN. > display, press [DISPLAY] key and [VIDEO STATUS] key at the same time.
- (3) Then < TEST MODE > screen is displayed. (Fig.2)
- (4) Press [ 4 ] key then < SELF-CHECK > screen is appear. (Fig.3)

## 5.1.2 HOW TO EXIT FROM THE SELF-DIAGNOSIS MODE

#### With initialization

By using the remote control unit, turn the power off. At this time, the failure record is cleared.

#### With not initialization

- (1) Take off the AC plug from the wall outlet. At this time, the failure record is not cleared.
- (2) Press the [BACK] key the SELF-CHECK screen return to TEST MODE screen.

# 5.1.3 EXPLANATION FOR ACTIVATION OF SELF-DIAGNOSIS FUNCTIONS

- The latest failure is stored on the record at the end.
  - The failure record for each check item is counted to the number of 9 at the maximum, When more than 9 failures are stored on the record, the counter remains stopped at 9.
- · SYNC is neither counted nor stored in memory.
- Because of the timing of Vcc start-up and shut-down of the IC connecting to the I<sup>2</sup>C bus during which the power is turned on and off, the operation may be interpreted as an error.
   In order to avoid the misinterpretation, the self-check functions
  - In order to avoid the misinterpretation, the self-check functions should be started at about 3 seconds after the power is turned on.

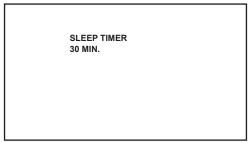
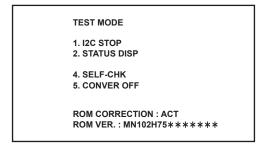
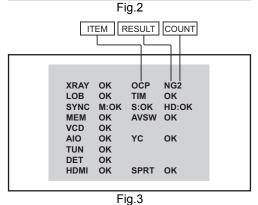


Fig.1





SELF-CHECK SCREEN

Indication	Check item	Details of detection	Method of detection
XRAY	X-ray radiation protection		
OCP	B1 over-current protection	B1 over-current is detected. Q971: DEF & CONVERGENCE OUT PWB	At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 200ms, the power is turned off automatically.
LOB	Low B short protection	Operation of low B short protection circuit. Q1961(5V), Q1962(9V) : MAIN PWB	At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 200ms, the power is turned off automatically.
TIM	Timer	The AC power frequency is changed as follows : $50\text{Hz} \rightarrow 60\text{Hz}$ $60\text{Hz} \rightarrow 50\text{Hz}$ IC1701(MICOM) : 17pin	Periodically check the power frequency by counting the AC pulse and monitor whether or not the frequency is changed except for the time immediately after resetting.

Indication	Check item	Details of detection	Method of detection
SYNC	Presence or absence of synchronized signal	Presence of synchronized signal. HD: Component signal M: NTSC main signal S: NTSC sub signal IC1301(AN15394A): MI-COM & DIST MODULE PWB	When entering the self-check mode, "OK" is shown. While running the mode with picture signal, if the synchronized signal is disappeared, "NG" is shown.
MEM	Memory (EEP-ROM)	ACK is returned when I <sup>2</sup> C traffic is carried out. IC1703(MEMORY) : MI-COM & DIST MODULE PWB	The state is monitored every time when I <sup>2</sup> C traffic is carried out. Then the state is counted as a failure if ACK is not returned.
AVSW	AV switch	Ditto IC1301(AN15852A) and IC1501(CXA2069Q) : MAIN PWB	Ditto
VCD	Video / process (RGB process)	Ditto IC1301(AN15394A) : MI-COM & DIST MODULE PWB	Ditto
AIO	Audio process (MTS decode / audio control)	Ditto IC1502(M62320): MAIN PWB	Ditto
YC	3D YC separation	Ditto IC3001(MN82832) : MI-COM & DIST MODULE PWB	Ditto
TUN	RF tuner	Ditto RF tuner	Ditto
DET	DIST process	Ditto IC201(JCC5055) : MI-COM & DIST MODULE PWB	Ditto
HDMI	Digital input process	Ditto IC001(Sil9993) : DIGITAL INPUT MODULE PWB	Ditto
SPRT	Split protection		

#### 5.1.4 SELF-CHECK DISPLAY LED

The self-check results are shown on the following LED display. Method of indication when the raster is not displayed.

Each failure is shown by turning POWER LED on and off at specified intervals.

 For X-ray radiation protection, B1 over-current protection, low B short protection and CRT neck broken protection, the power of the TV is turned off if NG is detected. Immediately after the power is turned off, POWER LED will be turning on and off. When the power is turned off, you cannot turn the power on again until the AC plug is taken out and put in again.

Item	POWER LED ON / OFF intervals
X-ray radiation protection	Turning on and off 0.1-second intervals
B1 over-current protection	Turning on and off 1-second intervals
Low B short protection	Turning on and off 2-second intervals
CRT neck broken protection	Turning on and off 3-second intervals

# JVC SERVICE & ENGINEERING COMPANY OF AMERICA DIVISION OF JVC AMERICAS CORP.

www.jvcservice.com(US Only)

# JVC CANADA INC.

Head office : 21 Finchdene Square Scarborough, Ontario M1X 1A7 (416)293-1311





# **PARTS LIST**

# **CAUTION**

- The parts identified by the △ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

## ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

	RESISTORS	CAPACITORS			
CR	Carbon Resistor	C CAP.	Ceramic Capacitor		
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor		
PR	Plate Resistor	M CAP.	Mylar Capacitor		
VR	Variable Resistor	CH CAP.	Chip Capacitor		
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor		
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor		
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor		
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor		
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor		
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor		
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor		
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor		
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor		
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor		
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor		
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor		
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor		
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor		
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor		

	RESISTORS								
F	G	J	К	М	N	R	Н	Z	Р
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

# **CONTENTS**

USING P.W. BOARD & REMOTE CONTROL UNIT	3	-2
EXPLODED VIEW PARTS LISTEXPLODED VIEW		
PRINTED WIRING BOARD PARTS LIST [AV-48P575/H]	3	-7
MAIN P.W. BOARD ASS'Y (SRP-1003A-M2)	3	,-/ 11
R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)	o-	1 I 1 /
G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)	3- 3-	14
B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)	3-	14
VM P.W. BOARD ASS'Y (SRP-7201A-M2)	3-1	14
REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)	3-	15
POWER P.W. BOARD ASS'Y (SRP-9001A-M2)	3-	15
FRONT CONTROL P.W. BOARD ASS'Y (SRP0L001A-M2)	3-	16
DIGITAL INPUT MODULE P.W. BOARD ASS'Y (SRP-7803A-M2)	3-′	16
DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SRPÓK003A-M2)	3-	16
MI-CON & DIST MODULE P.W. BOARD ASS'Y (SRP0D001A-M2)		
PRINTED WIRING BOARD PARTS LIST [AV-56P575/H]	3-	17
MAIN P.W. BOARD ASS'Y (SRP-1004A-M2)	3-	17
DEF / CONVERGENCE OUT P.W. BOARD ASS'Y (SRP-2002A-M2)	3-2	21
R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)	3-2	21
G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)	3-2	21
B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)VM P.W. BOARD ASS'Y (SRP-7201A-M2)	3-4	21 21
REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)	3-4	2 I 21
POWER P.W. BOARD ASS'Y (SRP-9001A-M2)	3-2	21
FRONT CONTROL P.W. BOARD ASS'Y (SRP0L001A-M2)	3-2	<u>-</u> 1
DIGITAL INPUT MODULE P.W. BOARD ASS'Y (SRP-7804A-M2)	3-2	<u>2</u> 1
DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SRP0K002A-M2)	3-2	21
MI-CON & DIST MODULE P.W. BOARD ASS'Y (SRP0D001A-M2)	3-2	21
PRINTED WIRING BOARD PARTS LIST [AV-56P585/H]	3-4	22
MAIN P.W. BOARD ASS'Y (SRP-1002A-M2)	3-1	22
MAIN P.W. BOARD ASS'Y (SRP-1002A-M2)	3-2	 26
R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)	3-2	26
G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)	3-2	26
B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)	3-2	26
VM P.W. BOARD ASS'Y (SRP-7201A-M2)	3-2	26
REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)		
POWER P.W. BOARD ASS'Y (SRP-9001A-M2)	3-2	26 26
FRONT CONTROL P.W. BOARD ASS'Y (SRP0L001A-M2)	3-4	20 26
DIGITAL INPUT MODULE P.W. BOARD ASS'Y (SRP-7802A-M2)	3-4 3_4	20 26
MI-CON & DIST MODULE P.W. BOARD ASS'Y (SRP0D001A-M2)	3-4	26 26
· · · · · · · · · · · · · · · · · · ·		
REMOTE CONTROL UNIT PARTS LIST (RM-C1257G-1H)	3-	27
PACKING	3-	<u>-</u> .
PACKING PARTS LIST		

# **USING P.W. BOARD & REMOTE CONTROL UNIT**

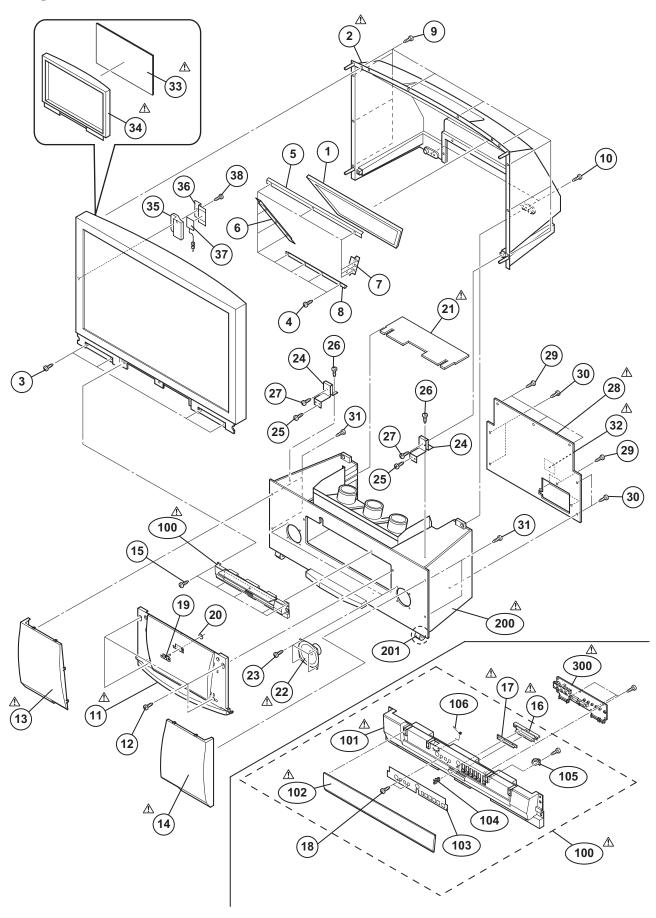
P.W.B ASS'Y	AV-48P575/H	AV-56P575/H	AV-56P585/H
MAIN P.W.B	SRP-1003A-M2	SRP-1004A-M2	SRP-1002A-M2
DEF / CONVERGENCE OUT P.W.B	SRP-2002A-M2	<b>←</b>	<b>←</b>
R CRT SOCKET P.W.B	SRP-3101A-M2	<b>←</b>	<b>←</b>
G CRT SOCKET P.W.B	SRP-3201A-M2	←	<b>←</b>
B CRT SOCKET P.W.B	SRP-3301A-M2	<b>←</b>	<b>←</b>
VM P.W.B	SRP-7201A-M2	←	<b>←</b>
REMOCON SENSOR P.W.B	SRP-8001A-M2	←	<b>←</b>
POWER P.W.B	SRP-9001A-M2	←	<b>←</b>
FRONT CONTROL P.W.B	SRP0L001A-M2	<b>←</b>	<b>←</b>
DIGITAL INPUT MODULE P.W.B	SRP-7803A-M2	SRP-7804A-M2	SRP-7802A-M2
DIGITAL CONVERGENCE MODULE P.W.B	SRP0K003A-M2	SRP0K002A-M2	<b>←</b>
MI-CON & DIST MODULE P.W.B	SRP0D001A-M2	<b>←</b>	<b>←</b>
REMOTE CONTROL UNIT	RM-C1257G-1H	<b>←</b>	←

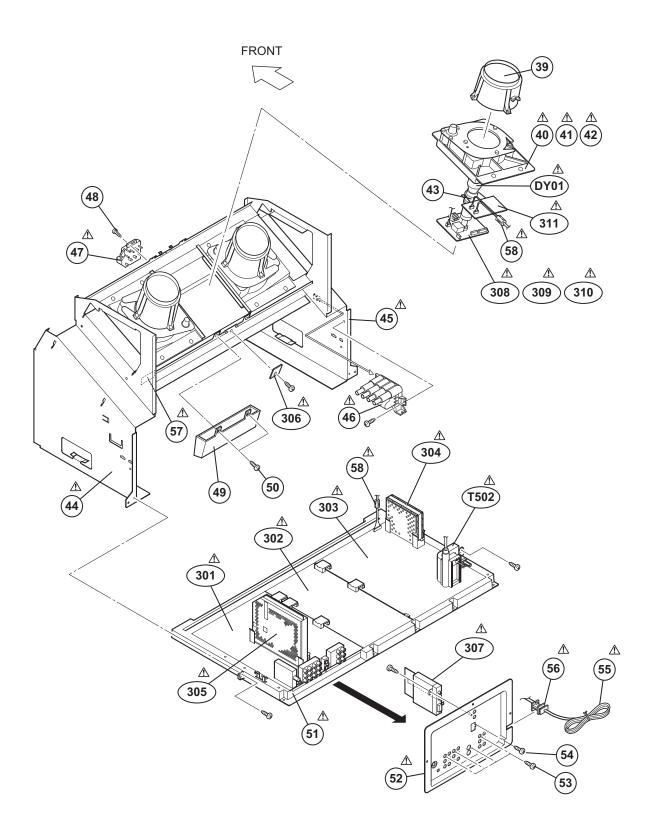
# **EXPLODED VIEW PARTS LIST**

$\triangle$	Ref.No.	Part No.	Part Name	Description	Local
	DY01 T502	QQD0107-001 QQH0179-001	DEF YOKE FB TRANSF	(x3)	_
<u></u>	1	LC32441-003A-A	48" GLASS MIRROR		AV-48P575/H
$\triangle$	1 2	LC32173-002A-A LC11247-001D-A	56" GLASS MIRROR BACK COVER		AV-56P575/H,AV-56P585/H AV-48P575/H
⚠	2 3	LC11407-001D-A QYSBSAG4018M	BACK COVER TAP SCREW	M4 x 18mm(x4)	AV-56P575/H,AV-56P585/H
	4	QYSBSFG4016M LC21316-001A-A	TAP SCREW	4.0mm x 16mm(x13)	
	5 6	LC21311-001B-A	MIRROR HOLDER TOP MIRROR HOLDER LEFT_		
	7 8	LC21311-002B-A LC21317-001B-A	MIRROR HOLDER RIGHT MIRROR HOLDER BOTTOM		
	9 10	QYSBSFG4016M QYSBSAG4018M	TAP SCREW TAP SCREW	4.0mm x 16mm(x10) M4 x 18mm(x2)	
$\triangle$	11	LC11800-001B-A	CENTER PANEL	1014 X 10111111(XZ)	AV-48P575/H,AV-56P575/H
⚠	11 12	LC11800-002B-A QYSBSAG4018M	CENTER PANEL TAP SCREW	M4 x 18mm(x4)	AV-56P585/H
<u>^</u>	13 13	LC11794-001C-A LC11863-001C-A	SPEAKER GRILL LEFT SPEAKER GRILL LEFT		AV-48P575/H AV-56P575/H
⚠	13	LC11799-004C-A	SPEAKER GRILL LEFT		AV-56P585/H
$\stackrel{\triangle}{\mathbb{A}}$	14 14	LC11866-001C-A LC11818-001C-A	SPEAKER GRILL RIGHT SPEAKER GRILL RIGHT		AV-48P575/H AV-56P575/H
⚠	14 15	LC11799-003C-A QYSBSAG4018M	CLOTH PANEL RIGHT TAP SCREW	M4 x 18mm(x5)	AV-56P585/H
$\triangle$	16	LC21576-001B-A	KNOB	WH X TOTHIN(XO)	AV-48P575/H,AV-56P575/H
$\stackrel{ ext{$\Lambda$}}{ ext{$\Lambda$}}$	16 17	LC21576-002C-A LC32555-001C-A	KNOB LED LENS		AV-56P585/H
	18 19	QYSBSF3012M LC32412-001A-C	TAP SCREW JVC MARK	3.0mm x 12mm(x2)	
•	20	QYNSS3000P	PUSH NUT	M3	
<u>^</u>	21 22	LC21490-001A-A QAS0248-001	SHADING BOARD SPEAKER	SP01/SP02(x2)	
	23 24	QYSBSA4012M LC32645-001A-A	TAP SCREW BC FIT	M4 x 12mm(x8) (x2)	
	25 26	QYSPSPD4020Z QYSBSA4012M	SCREW TAP SCREW	M4 <sup>'</sup> x 20mm(x2) M4 x 12mm(x2)	
	27	QYSBSG4012Z	TAP SCREW	M4 x 12mm(x2)	
Æ	28 29	LC21491-001A-A QYSBSFG4016M	BACK BOARD TAP SCREW	4.0mm x 16mm(x7)	
	30 31	QYSBSAG4018M QYSBSFG4020M	TAP SCREW TAP SCREW	M4 x 18mm(x4) M4 x 20mm(x4)	
$\triangle$	32	LC31139-001A-A	RATING LABEL	` ,	A) / 40DEZE/LI
$\triangle$	33 33	48SC-002A-M2 56SC-003A-M2	SCREEN ASSY SCREEN ASSY	PROTECTOR / FRESNEL LENS / LENTICULAR LENS PROTECTOR / FRESNEL LENS / LENTICULAR LENS	AV-56P575/H,AV-56P585/H
<u>^</u>	34 34	LC32721-001A-A LC32722-001A-A	FRONT PANEL ASSY FRONT PANEL ASSY		AV-48P575/H AV-56P575/H
$\overline{\mathbb{A}}$	34 35	LC32722-002A-A	FRONT PANEL ASSY	(v4)	AV-56P585/H
	36	LC32188-002A-A LC32188-001C-A	SENSOR HOLDER SENSOR HOLDER	(x4) (x4)	
	37 38	QSD0008-001 QYSBSG4012Z	PHOTO SENSOR TAP SCREW	(x4) M4 x 12mm(x4)	
	39 39	LC31735-001A-A LC31736-001A-A	LENS D250 LENS D260	(x3) (x3)	AV-48P575/H AV-56P575/H,AV-56P585/H
$\triangle$	40	R-CRT575SAM2	R CRT SA	(20)	AV-301 373/11,AV-301 303/11
$\stackrel{\triangle}{\mathbb{A}}$	41 42	G-CRT575SAM2 B-CRT575SAM2	G CRT SA B CRT SA		
⚠	43 44	QAL0477-001 LC21488-002A-A	2/4 POLE MAGNET UNIT BKT RIGHT	(x3)	
$\triangle$	45	LC21488-001A-A	UNIT BKT LEFT		
<u>^</u>	46 47	QAE0007-001 QAE0008-001	HV DIVIDER FOCUS PACK		
	48 49	QYSBSGG3008Z CM22765-001-A	TAP SCREW COOLANT PAN	3mm x 8mm	
	50	QYSBSG4012Z	TAP SCREW	M4 x 12mm(x2)	
<u>^</u>	51 52	LC11789-001B-A LC11791-001A-A	CHASSIS BASE AV BOARD		
	53 54	QYSBSF3012Z CM32201-00A-H	TAP SCREW ASSY SCREW	3.0mm x 12mm(x4)	
<u>^</u>	55 56	QMPD200-200-JC LC20106-001D-A	POWER CORD(US/CA) POWER CORD CLAMP	2m BLACK	
$\triangle$	57	GQ30034-001B-A	WARNING LABEL	(000)((0)	
⚠	58	QQR0491-001	FERRITE CORE	(GRAY)(x2)	

⚠	Ref.No.	Part No.	Part Name	Description	Local
<u>A</u> <u>A</u> <u>A</u> <u>A</u> <u>A</u>	100 100 101 101 102 102 103 104 105 106	LC21639-001B-A LC21639-002B-A LC11788-001C-A LC11788-001C-A LC11786-001C-A LC11786-002C-A LC21486-001B-A PU60109 QZW0055-003 LC41776-001A-A	CONTROL ASSY CONTROL ASSY CONTROL BASE CONTROL BASE DOOR DOOR OPERATION SHEET CATCHER DAMPER SPRING	Inc.No.101-106 Inc.No.101-106	AV-48P575/H,AV-56P575/H AV-56P585/H AV-48P575/H,AV-56P575/H AV-48P575/H,AV-56P575/H AV-48P575/H,AV-56P575/H AV-48P575/H,AV-56P575/H
<u>^</u>	200 200 201	LC11796-001A-A LC11806-001A-A CM36396-00B-A	BODY BODY CASTER	Inc.No.201 Inc.No.201 (x4)	AV-48P575/H AV-56P575/H,AV-56P585/H
	300 301 301 301 302 303 304 304 305 306 307 307 307 307 307 308 308	SRP0L001A-M2 SRP-1003A-M2 SRP-1004A-M2 SRP-1002A-M2 SRP-9001A-M2 SRP-2002A-M2 SRP0K003A-M2 SRP0K002A-M2 SRP0B001A-M2 SRP-8001A-M2 SRP-7803A-M2 SRP-7803A-M2 SRP-7802A-M2 SRP-7801A-M2 SRP-7801A-M2 SRP-3101A-M2 SRP-3101A-M2	FRONT CONTROL PWB MAIN PWB MAIN PWB MAIN PWB POWER PWB DEF / CONVERGENCE OUT PWB DIGITAL CONVERGENCE MODULE PWB DIGITAL CONVERGENCE MODULE PWB MI-COM & DIST MODULE PWB REMOCON SENSOR PWB DIGITAL INPUT MODULE PWB DIGITAL INPUT MODULE PWB DIGITAL INPUT MODULE PWB R CRT SOCKET PWB G CRT SOCKET PWB		AV-48P575/H AV-56P575/H AV-56P585/H AV-48P575/H AV-56P575/H,AV-56P585/H AV-48P575/H AV-56P575/H AV-56P575/H AV-56P585/H
<u>^</u>	310 311	SRP-3201A-M2 SRP-3301A-M2 SRP-7201A-M2	B CRT SOCKET PWB VM PWB		

# **EXPLODED VIEW**





# PRINTED WIRING BOARD PARTS LIST [AV-48P575/H]

Description Lord   Part No.   Part No.   Part No.   Part No.   Part No.   Description Local	MAIN P.W. BOARD ASS'Y (SRP-1003A-M2)					Part No.	Part Name	Description Local
C1149	ÆRef No.	Part No.	Part Name	Description Local	D1401	MA111 V	SIDIODE	
C1010								
C121  TATION	IC1101	L7805CP	IC				SI DIODE	
C1212   SAFT-AH-C20587X   C	IC1140	CXA2205Q-X	IC		D1513	MA111-X	SI DIODE	
C15910	IC1211							
C1501	IC1212		IC				SI DIODE	
C1519			IC				SI DIODE	
C1511   PQ035R00182   C			IC					
C1709					D1703	MA111-X	SI DIODE	
C1792   A724C   28-99585   C					D1704	MA8100/M/-X	Z DIODE	
C1619	IC1703			(SERVICE)				
C1941   PQ10521H27   C1	IC1802	BA033T		(OLITTIOL)	D1802		SI DIODE	
C1989	IC1941		IC		D1895		Z DIODE	
C1991   PQ070X2017-X   C	IC1942						Z DIODE	
C1999	IC1943		IC IC				7 DIODE	
C1993	IC1991		IC		D1947		SB DIODE	
C3000						EC31QS04-X	SB DIODE	
C800  N.M.2701M-X   C			IC IC				SB DIODE	
OPEN							SI DIODE	
Q0702   28K2090-X   MOS FET					D1965	MA111-X	SI DIODE	
Color			MOS FET				Z DIODE	
Original   Content   Con		2SK2090-X 2SA1530A/OR/-X	MUS FET TRANSISTOR		D1968	P1Z3.9B-X DT711B-Y	Z DIODE	
G1252   25A1590AQRIX   TRANSISTOR   D1991   MA111-X   SI DIODE	Q1101 Q1102		TRANSISTOR				SI DIODE	
01254 28.41530A.QRI-X TRANSISTOR D212 MAS100M-X Z DIODE (1255 28.2528A.QRI-X) TRANSISTOR D2204 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2204 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2205 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2205 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2206 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2206 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2206 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2216 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2401 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2402 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2403 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2404 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2406 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2402 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2402 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2402 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR C110 C110 C110 C110 C110 C110 C110 C11	Q1232	2SA1530A/QR/-X	TRANSISTOR				SI DIODE	
01254 28.41530A.QRI-X TRANSISTOR D212 MAS100M-X Z DIODE (1255 28.2528A.QRI-X) TRANSISTOR D2204 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2204 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2205 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2205 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2206 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2206 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2206 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2216 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2401 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2402 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2403 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2404 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2406 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2402 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2402 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR D2402 MAS100M-X Z DIODE (1256 28.2528A.QRI-X) TRANSISTOR C110 C110 C110 C110 C110 C110 C110 C11	Q1252	2SA1530A/QR/-X	TRANSISTOR				SI DIODE	
Color	Q1253 Q1254						Z DIODE	
C1301   25C3387NNPLX   TRANSISTOR   D205   MA8100M-X   Z DIODE	Q1255	2SC3928A/QR/-X						
Color	Q1301	2SC3837K/NP/-X	TRANSISTOR		D2204		Z DIODE	
CH-011   25C-03928-AGR-X   TRANSISTOR   D2209   MA8100Mi-X   Z DIODE	Q1302	2SC3837K/NP/-X	TRANSISTOR		D2205			
Q1511   25G3928AOR;   TRANSISTOR   D210   MA8100M;   Z DIODE	Q1303 Q1401	2SC3837K/NP/-X 2SC3928A/OR/-X	TRANSISTOR		D2206		Z DIODE	
G1531         2SC3982AG/R-X         TRANSISTOR         D2212         MA8100M/-X         Z DIODE           G1689         JN2213-X         DIGITRANSISTOR         D2215         MA8100M/-X         Z DIODE           G1671         JN2213-X         DIGITRANSISTOR         D2215         MA8100M/-X         Z DIODE           G1672         2SC3922AGR-X         TRANSISTOR         D2217         MA8100M/-X         Z DIODE           G1673         2SA5153AGGR-X         TRANSISTOR         D2217         MA8100M/-X         Z DIODE           G1731         2SA5153AGGR-X         TRANSISTOR         D2219         MA8100M/-X         Z DIODE           G1713         2SA5153AGGR-X         TRANSISTOR         D2491         MA8100M/-X         Z DIODE           G1714         2SA153AGGR-X         TRANSISTOR         D2401         MA8100M/-X         Z DIODE           G1714         2SA153AGGR-X         TRANSISTOR         D2403         MA8100M/-X         Z DIODE           G1714         2SA153AGGR-X         TRANSISTOR         D2403         MA8100M/-X         Z DIODE           G161         2SC392BAGGR-X         TRANSISTOR         D2406         MA8100M/-X         Z DIODE           G1962         2SC392BAGGR-X         TRANSISTOR					D2209 D2210		Z DIODE Z DIODE	
Q1666	Q1531	2SC3928A/QR/-X	TRANSISTOR		D2212	MA8100/M/-X	Z DIODE	
Q1671	Q1668	UN2213-X						
Q1672   28C3928A/QR-X   TRANSISTOR   D2218   MA8100M-X   Z DIODE	Q1669 Q1671	25C3928A/QR/-X LIN2213-X	DIGITRANSISTOR		D2215 D2216		Z DIODE Z DIODE	
Q1673   25A1530A/QR/X	Q1672		TRANSISTOR				Z DIODE	
O1712   25A1530A/GR/X   TRANSISTOR   D2401   MA8100/M/X   Z DIODE	Q1673	2SA1530A/QR/-X	TRANSISTOR		D2218	MA8100/M/-X	Z DIODE	
O1713   25C2785JIH-T   SI TRANSISTOR   D2402   MA8100/MI-X   Z DIODE	Q1674	2SC3928A/QR/-X	TRANSISTOR		D2219		Z DIODE	
Q1714   28A1530A/QR/-X   TRANSISTOR   D2403   MA8100/M-X   Z DIODE					D2401 D2402		Z DIODE Z DIODE	
Orange   SC3928AQR-X   TRANSISTOR   D2404   MA8100MI-X   Z DIODE	Q1714	2SA1530A/QR/-X	TRANSISTOR		D2403		Z DIODE	
Q1964   ZSC3928A/QR/-X   TRANSISTOR   D2421   MA8100/M/-X   Z DIODE	Q1961				D2404	MA8100/M/-X	Z DIODE	
O1965 UN2213-X	Q1962	2SC3928A/QR/-X	TRANSISTOR					
Q1966   UN2213-X   DIGI TRANSISTOR   C1101   QETN1CM-477Z   E CAPACITOR   470uF 16V M   Q1981   2SC4682-T   TRANSISTOR   C1102   QETN1CM-107Z   E CAPACITOR   10uF 16V M   Q1984   2SC4682-T   TRANSISTOR   C1103   QETN1HM-106Z   E CAPACITOR   10uF 50V M   Q3001   2SC3928A/QR-X   TRANSISTOR   C1111   NCF31CZ-104X   C CAPACITOR   0.1uF 16V Z   Q3002   2SC3928A/QR-X   TRANSISTOR   C1114   QETN1HM-475Z   E CAPACITOR   4.7uF 50V M   Q3003   2SC3928A/QR-X   TRANSISTOR   C1144   QETN1HM-475Z   E CAPACITOR   4.7uF 50V M   Q3004   2SC3928A/QR-X   TRANSISTOR   C1144   QETN1HM-476Z   E CAPACITOR   4.7uF 50V M   Q3005   2SC3928A/QR-X   TRANSISTOR   C1144   QETN1HM-160Z   E CAPACITOR   10uF 50V M   Q3006   2SC3928A/QR-X   TRANSISTOR   C1144   NCB31HK-223X   C CAPACITOR   10uF 50V M   Q3006   2SC3928A/QR-X   TRANSISTOR   C1145   NCB31HK-223X   C CAPACITOR   10uF 50V M   Q3007   2SA1530A/QR-X   TRANSISTOR   C1146   NCB31HK-472X   C CAPACITOR   4.7uF 50V M   Q3501   2SA1530A/QR-X   TRANSISTOR   C1146   NCB31HK-472X   C CAPACITOR   4.7uF 50V M   Q3502   2SC3928A/QR-X   TRANSISTOR   C1146   NCB31HK-472X   C CAPACITOR   4.7uF 50V M   Q3502   2SC3928A/QR-X   TRANSISTOR   C1148   NCB31HK-104X   C CAPACITOR   4.7uF 50V M   Q3502   2SC3928A/QR-X   TRANSISTOR   C1149   NCB31HK-104X   C CAPACITOR   4.7uF 50V M   Q3506   2SC3928A/QR-X   TRANSISTOR   C1149   NCB31HK-104X   C CAPACITOR   4.7uF 50V M   Q3509   2SA1530A/QR-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3509   2SA1530A/QR-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3509   2SA1530A/QR-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3509   2SA1530A/QR-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3510   2SC3928A/QR-X   TRANSISTOR   C1151   NCB31HK-104X   C CAPACITOR   4.7uF 50V M   Q4000   2SC3928A/QR-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q4000   Q4	Q1965	UN2213-X						
Q1981   2SC4682-T   TRANSISTOR   C1102   QETM1CM-107Z   E CAPACITOR   100LF 16V M   Q1984   2SC4882-T   TRANSISTOR   C11103   QETM1CM-107Z   E CAPACITOR   10LF 50V M   Q3001   2SC3928A/QR/-X   TRANSISTOR   C1111   NCF31CZ-104X   C CAPACITOR   0.1LF 16V Z   Q3002   2SC3928A/QR/-X   TRANSISTOR   C1140   QETM1HM-475Z   E CAPACITOR   4.7LF 50V M   Q3003   2SA1530A/QR/-X   TRANSISTOR   C1141   QETM1HM-475Z   E CAPACITOR   4.7LF 50V M   Q3004   2SC3928A/QR/-X   TRANSISTOR   C1144   QETM1HM-106Z   E CAPACITOR   4.7LF 50V M   Q3005   2SC3928A/QR/-X   TRANSISTOR   C1145   NCB31HK-223X   C CAPACITOR   0.022LF 50V K   Q3006   2SA1530A/QR/-X   TRANSISTOR   C1145   NCB31HK-472X   C CAPACITOR   0.022LF 50V K   Q3006   2SA1530A/QR/-X   TRANSISTOR   C1146   NCB31HK-472X   C CAPACITOR   4.7LF 50V M   Q3501   2SA1530A/QR/-X   TRANSISTOR   C1147   QENC1HM-475Z   BP E CAPACITOR   4.7LF 50V M   Q3501   2SA1530A/QR/-X   TRANSISTOR   C1148   NCB31HK-472X   C CAPACITOR   4.7LF 50V M   Q3502   2SC3928A/QR/-X   TRANSISTOR   C1148   NCB31HK-472X   C CAPACITOR   0.1LF 25V K   Q3502   2SC3928A/QR/-X   TRANSISTOR   C1148   NCB31HK-472X   C CAPACITOR   4.7LF 50V M   Q3506   2SC3928A/QR/-X   TRANSISTOR   C1149   NCB31HK-472X   C CAPACITOR   4.7LF 50V M   Q3506   2SC3928A/QR/-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7LF 50V M   Q3501   2SC3928A/QR/-X   TRANSISTOR   C1151   NCB31EK-104X   C CAPACITOR   0.1LF 25V K   Q3502   2SC3928A/QR/-X   TRANSISTOR   C1151   NCB31EK-104X   C CAPACITOR   0.1LF 25V K   Q3502   2SC3928A/QR/-X   TRANSISTOR   C1152   QENC1HM-475Z   BP E CAPACITOR   4.7LF 50V M   Q3504   2SC3928A/QR/-X   TRANSISTOR   C1153   NCB31HK-23X   C CAPACITOR   0.1LF 50V M   Q3504   C3504	Q1966				DZ-TZZ	WIN TO TOO WILL TO	Z DIODE	
Q1984   25C4682-T   TRANSISTOR   C1103   GETN1HM-106Z   E CAPACITOR   10uF 50V M   Q3002   2SC3928A/QR/-X   TRANSISTOR   C1114   QETN1HM-475Z   E CAPACITOR   0.1uF 16V Z   Q3003   2SA1530A/QR/-X   TRANSISTOR   C1141   QETN1HM-475Z   E CAPACITOR   4.7uF 50V M   Q3003   2SA1530A/QR/-X   TRANSISTOR   C1144   QETN1HM-475Z   E CAPACITOR   4.7uF 50V M   Q3005   2SC3928A/QR/-X   TRANSISTOR   C1145   CETN1HM-106Z   CAPACITOR   0.022uF 50V K   Q3006   2SC3928A/QR/-X   TRANSISTOR   C1145   NCB31HK-223X   C CAPACITOR   0.022uF 50V K   Q3006   2SC3928A/QR/-X   TRANSISTOR   C1145   NCB31HK-223X   C CAPACITOR   0.022uF 50V K   Q3007   2SA1530A/QR/-X   TRANSISTOR   C1147   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3501   2SA1530A/QR/-X   TRANSISTOR   C1148   NCB31EK-104X   C CAPACITOR   0.1uF 25V K   Q3501   2SA1530A/QR/-X   TRANSISTOR   C1148   NCB31EK-104X   C CAPACITOR   0.1uF 25V K   Q3505   2SA1530A/QR/-X   TRANSISTOR   C1148   NCB31EK-104X   C CAPACITOR   0.1uF 25V K   Q3505   2SA1530A/QR/-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3506   2SA1530A/QR/-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3509   2SA1530A/QR/-X   TRANSISTOR   C1151   NCB31EK-104X   C CAPACITOR   0.1uF 25V K   Q3509   2SA1530A/QR/-X   TRANSISTOR   C1151   NCB31EK-104X   C CAPACITOR   0.1uF 25V K   Q3509   2SA1530A/QR/-X   TRANSISTOR   C1153   NCB31HK-562X   C CAPACITOR   0.1uF 25V K   Q3509   2SA1530A/QR/-X   TRANSISTOR   C1155   QETN1HM-105Z   E CAPACITOR   0.1uF 25V K   Q6001   2SC3928A/QR/-X   TRANSISTOR   C1155   QETN1HM-105Z   E CAPACITOR   0.1uF 25V K   Q6002   2SC3928A/QR/-X   TRANSISTOR   C1155   QETN1HM-105Z   E CAPACITOR   4.7uF 50V M   D1140   MA8100M/-X   Z DIODE   C1158   QETN1HM-105Z   E CAPACITOR   4.7uF 50V M   D1145   MA8082/M/-X   Z DIODE   C1156   QETN1HM-475Z   BP E CAPACITOR   4.7uF 50V M   D1145   MA8082/M/-X   Z DIODE   C1166   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   D1251   MA8100M/-X   Z DIODE   C1166   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   D1252								
Q3001         2SC3928A/QR/-X         TRANSISTOR         C1111         NCF31CZ-104X         C CAPACITOR         0.1uF 16V Z           Q3002         2SC3928A/QR/-X         TRANSISTOR         C1140         QETN1HM-475Z         E CAPACITOR         4.7uF 50V M           Q3004         2SC3928A/QR/-X         TRANSISTOR         C1141         QETN1HM-106Z         E CAPACITOR         4.7uF 50V M           Q3006         2SC3928A/QR/-X         TRANSISTOR         C1144         QETN1HM-475Z         E CAPACITOR         10uF 50V M           Q3006         2SC3928A/QR/-X         TRANSISTOR         C1146         NCB31HK-223X         C CAPACITOR         4.70pF 50V K           Q3007         2SA1530A/QR/-X         TRANSISTOR         C1146         NCB31HK-472X         C CAPACITOR         4.7uF 50V M           Q3501         2SA1530A/QR/-X         TRANSISTOR         C1147         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           Q3502         2SC3928A/QR/-X         TRANSISTOR         C1149         NCB31HK-472X         C CAPACITOR         4.7uF 50V M           Q3505         2SC3928A/QR/-X         TRANSISTOR         C1150         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           Q3500         2SC3928A/QR/-X         TRANSISTOR         C1151								
Q3002         2SC3928A/QR/-X         TRANSISTOR         C1140         QETN1HM-475Z         E CAPACITOR         4,7uF 50V M           Q3003         2SA1530A/QR/-X         TRANSISTOR         C1141         QETN1HM-106Z         E CAPACITOR         4,7uF 50V M           Q3004         2SC3928A/QR/-X         TRANSISTOR         C1144         QETN1HM-106Z         E CAPACITOR         10uF 50V M           Q3006         2SC3928A/QR/-X         TRANSISTOR         C1145         NCB31HK-223X         C CAPACITOR         0.22uF 50V K           Q3007         2SA1530A/QR/-X         TRANSISTOR         C1147         QENCHIM-475Z         BP E CAPACITOR         4.7uF 50V M           Q3501         2SA1530A/QR/-X         TRANSISTOR         C1148         NCB31HK-472X         C CAPACITOR         0.1uF 25V K           Q3502         2SC3928A/QR/-X         TRANSISTOR         C1149         NCB31HK-472X         C CAPACITOR         0.1uF 25V K           Q3505         2SA1530A/QR/-X         TRANSISTOR         C1150         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           Q3506         2SC3928A/QR/-X         TRANSISTOR         C1151         NCB31HK-472X         C CAPACITOR         0.1uF 25V K           Q3509         2SA1530A/QR/-X         TRANSISTOR         C1151	Q3001							
Q3004   28C3928A/QR/-X   TRANSISTOR   C1144   QETN1HM-106Z   E CAPACITOR   10uF 50V M   Q3005   28C3928A/QR/-X   TRANSISTOR   C1145   NCB31HK-223X   C CAPACITOR   4700pF 50V K   Q3007   28A1530A/QR/-X   TRANSISTOR   C1146   NCB31HK-472X   C CAPACITOR   4700pF 50V K   Q3007   28A1530A/QR/-X   TRANSISTOR   C1147   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3501   28A1530A/QR/-X   TRANSISTOR   C1148   NCB31EK-104X   C CAPACITOR   4.7uF 50V M   Q3501   28A1530A/QR/-X   TRANSISTOR   C1149   NCB31HK-472X   C CAPACITOR   4.7uF 50V M   Q3502   28C3928A/QR/-X   TRANSISTOR   C1149   NCB31HK-472X   C CAPACITOR   4.7uF 50V M   Q3505   28A1530A/QR/-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3506   28C3928A/QR/-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3501   28C3928A/QR/-X   TRANSISTOR   C1152   QENC1HM-475Z   BP E CAPACITOR   0.1uF 25V K   Q3510   28C3928A/QR/-X   TRANSISTOR   C1152   QENC1HM-475Z   BP E CAPACITOR   5600pF 50V K   Q6001   28C3928A/QR/-X   TRANSISTOR   C1153   NCB31HK-562X   C CAPACITOR   5600pF 50V K   Q6002   28C3928A/QR/-X   TRANSISTOR   C1154   NCB31HK-123X   C CAPACITOR   0.1012uF 50V M   Q6002   28C3928A/QR/-X   TRANSISTOR   C1155   QETN1HM-105Z   E CAPACITOR   0.1012uF 50V M   C1156   QETN1HM-105Z   E CAPACITOR   0.1012uF 50V M   D1140   MA8100/M/-X   Z D10DE   C1158   QETN1HM-105Z   E CAPACITOR   1.0uF 50V M   D1141   MA8100/M/-X   Z D10DE   C1158   QETN1HM-475Z   E CAPACITOR   1.0uF 50V M   D1145   MA8082/M/-X   Z D10DE   C1159   QETN1HM-475Z   E CAPACITOR   1.0uF 50V M   D1145   MA8082/M/-X   Z D10DE   C1160   QENC1HM-475Z   E CAPACITOR   4.7uF 50V M   D1145   MA8082/M/-X   Z D10DE   C1166   QETN1HM-475Z   E CAPACITOR   4.7uF 50V M   D1251   MA8100/M/-X   Z D10DE   C1166   QETN1HM-475Z   E CAPACITOR   4.7uF 50V M   D1251   MA8100/M/-X   Z D10DE   C1166   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   D1252   MA8100/M/-X   Z D10DE   C1166   QENC1HM-475Z   BP E CAPACITOR   3.3uF 50V M   D1301   MA8100/M/-X   Z D10DE   C1166   QENC1HM-47	Q3002	2SC3928A/QR/-X	TRANSISTOR					
Q3005   25C3928A/QR/-X   TRANSISTOR   C1146   NCB31HK-223X   C CAPACITOR   Q300K   C3A1530A/QR/-X   TRANSISTOR   C1146   NCB31HK-472X   C CAPACITOR   4700pF 50V K   Q3007   25A1530A/QR/-X   TRANSISTOR   C1147   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3501   25A1530A/QR/-X   TRANSISTOR   C1148   NCB31EK-104X   C CAPACITOR   0.1uF 25V K   Q3502   25A1530A/QR/-X   TRANSISTOR   C1149   NCB31HK-472X   C CAPACITOR   4700pF 50V K   Q3502   25A1530A/QR/-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3506   25C3928A/QR/-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3506   25C3928A/QR/-X   TRANSISTOR   C1151   NCB31EK-104X   C CAPACITOR   0.1uF 25V K   Q3509   25A1530A/QR/-X   TRANSISTOR   C1152   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3510   25C3928A/QR/-X   TRANSISTOR   C1153   NCB31HK-562X   C CAPACITOR   4.7uF 50V M   Q3510   25C3928A/QR/-X   TRANSISTOR   C1153   NCB31HK-562X   C CAPACITOR   5600pF 50V K   Q6002   25C3928A/QR/-X   TRANSISTOR   C1154   NCB31HK-123X   C CAPACITOR   0.012uF 50V K   Q6002   25C3928A/QR/-X   TRANSISTOR   C1155   QETN1HM-105Z   E CAPACITOR   0.012uF 50V K   Q6002   25C3928A/QR/-X   TRANSISTOR   C1156   QETN1HM-105Z   E CAPACITOR   0.012uF 50V K   Q6002   25C3928A/QR/-X   TRANSISTOR   C1156   QETN1HM-105Z   E CAPACITOR   0.012uF 50V K   Q6002   25C3928A/QR/-X   TRANSISTOR   C1156   QETN1HM-105Z   E CAPACITOR   0.012uF 50V M   D1140   MA8002/M/-X   Z DIODE   C1156   QETN1HM-475Z   E CAPACITOR   4.7uF 50V M   D1140   MA8002/M/-X   Z DIODE   C1159   QETN1CH-107Z   E CAPACITOR   4.7uF 50V M   D1146   MA8002/M/-X   Z DIODE   C1160   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   D1251   MA8100/M/-X   Z DIODE   C1161   QETN1HM-475Z   BP E CAPACITOR   4.7uF 50V M   D1251   MA8100/M/-X   Z DIODE   C1161   QETN1HM-475Z   BP E CAPACITOR   4.7uF 50V M   D1251   MA8100/M/-X   Z DIODE   C1166   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   D1253   MA8100/M/-X   Z DIODE   C1166   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   D1301   MA810			TRANSISTOR					
Q3006   2SA1530A/QRI-X   TRANSISTOR   C1146   NCB31HK-472X   C CAPACITOR   4700pF 50V K   Q3007   2SA1530A/QRI-X   TRANSISTOR   C1147   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3501   2SA1530A/QRI-X   TRANSISTOR   C1148   NCB31EK-104X   C CAPACITOR   0.1uF 25V K   Q3502   2SC3928A/QRI-X   TRANSISTOR   C1149   NCB31HK-472X   C CAPACITOR   4700pF 50V K   Q3505   2SA1530A/QRI-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3506   2SC3928A/QRI-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   0.1uF 25V K   Q3509   2SA1530A/QRI-X   TRANSISTOR   C1151   NCB31EK-104X   C CAPACITOR   0.1uF 25V K   Q3509   2SA1530A/QRI-X   TRANSISTOR   C1152   QENC1HM-475Z   BP E CAPACITOR   0.1uF 25V K   Q3510   2SC3928A/QRI-X   TRANSISTOR   C1153   NCB31HK-562X   C CAPACITOR   5600pF 50V K   Q6001   2SC3928A/QRI-X   TRANSISTOR   C1153   NCB31HK-123X   C CAPACITOR   5600pF 50V K   Q6002   2SC3928A/QRI-X   TRANSISTOR   C1155   QETN1HM-105Z   E CAPACITOR   0.1uF 50V M   C1156   QETN1HM-105Z   E CAPACITOR   0.1uF 50V M   C1156   QETN1HM-106Z   E CAPACITOR   0.1uF 50V M   D1140   MA8100/MI-X   Z DIODE   C1157   QETN1HM-106Z   E CAPACITOR   0.1uF 50V M   D1141   MA8100/MI-X   Z DIODE   C1158   QETN1HM-475Z   E CAPACITOR   0.1uF 50V M   D1145   MA8082/MI-X   Z DIODE   C1159   QETN1HM-475Z   E CAPACITOR   0.1uF 50V M   D1146   MA8802/MI-X   Z DIODE   C1159   QETN1HM-475Z   E CAPACITOR   0.1uF 50V M   D1146   MA8082/MI-X   Z DIODE   C1160   QENC1HM-475Z   E CAPACITOR   0.1uF 50V M   D1146   MA8082/MI-X   Z DIODE   C1160   QENC1HM-475Z   E CAPACITOR   0.1uF 50V M   D1251   MA8100/MI-X   Z DIODE   C1163   NCB31HK-272X   C CAPACITOR   0.047uF 50V M   D1253   MA8110-MI-X   Z DIODE   C1166   QENC1HM-475Z   BP E CAPACITOR   0.047uF 50V K   D1301   MA8100/MI-X   Z DIODE   C1166   QENC1HM-475Z   BP E CAPACITOR   0.047uF 50V K   D1301   MA8100/MI-X   Z DIODE   C1166   QENC1HM-475Z   BP E CAPACITOR   0.047uF 50V K   D1301   MA8100/MI-X   Z DIODE   C1166   QENC1HM-475Z   BP E CAPACITOR   0.047uF 50V M   D1305   MA81								
Q3007   2SA1530A/QR/-X   TRANSISTOR   C1147   QENC1HM-475Z   BP E CAPACITOR   4.7\(\text{u}\)F 50V M   Q3501   2SA1530A/QR/-X   TRANSISTOR   C1148   NCB31EK-104X   C CAPACITOR   0.1\(\text{u}\)F 50V K   Q3502   2SC3928A/QR/-X   TRANSISTOR   C1149   NCB31HK-472X   C CAPACITOR   4700pF 50V K   Q3505   2SA1530A/QR/-X   TRANSISTOR   C1150   QENC1HM-475Z   BP E CAPACITOR   4.7\(\text{u}\)F 50V M   Q3506   2SC3928A/QR/-X   TRANSISTOR   C1151   NCB31EK-104X   C CAPACITOR   0.1\(\text{u}\)F 50V M   Q3509   2SA1530A/QR/-X   TRANSISTOR   C1151   NCB31EK-104X   C CAPACITOR   0.1\(\text{u}\)F 50V M   Q3509   2SA1530A/QR/-X   TRANSISTOR   C1152   QENC1HM-475Z   BP E CAPACITOR   0.1\(\text{u}\)F 50V M   Q3509   2SA1530A/QR/-X   TRANSISTOR   C1152   QENC1HM-475Z   BP E CAPACITOR   4.7\(\text{u}\)F 50V M   Q3509   2SC3928A/QR/-X   TRANSISTOR   C1153   NCB31HK-652X   C CAPACITOR   5600pF 50V K   Q6001   2SC3928A/QR/-X   TRANSISTOR   C1154   NCB31HK-123X   C CAPACITOR   0.012\(\text{u}\)F 50V M   Q6002   2SC3928A/QR/-X   TRANSISTOR   C1155   QETN1HM-105Z   E CAPACITOR   1\(\text{u}\)F 50V M   D1093   MA8082/M/-X   Z DIODE   C1156   QETN1HM-475Z   E CAPACITOR   1.7\(\text{u}\)F 50V M   D1140   MA8100/M/-X   Z DIODE   C1157   QETN1HM-106Z   E CAPACITOR   1.7\(\text{u}\)F 50V M   D1141   MA8100/M/-X   Z DIODE   C1159   QETN1CM-107Z   E CAPACITOR   1.7\(\text{u}\)F 50V M   D1146   MA8082/M/-X   Z DIODE   C1160   QENC1HM-475Z   BP E CAPACITOR   4.7\(\text{u}\)F 50V M   D1146   MA8082/M/-X   Z DIODE   C1160   QENC1HM-475Z   BP E CAPACITOR   4.7\(\text{u}\)F 50V M   D1251   MA8100/M/-X   Z DIODE   C1161   QETN1HM-105Z   E CAPACITOR   4.7\(\text{u}\)F 50V M   D1251   MA8100/M/-X   Z DIODE   C1161   QETN1HM-105Z   E CAPACITOR   4.7\(\text{u}\)F 50V M   D1253   MA8110/M/-X   Z DIODE   C1166   QENC1HM-475Z   BP E CAPACITOR   4.7\(\text{u}\)F 50V M   D1301   MA8100/M/-X   Z DIODE   C1166   QENC1HM-475Z   BP E CAPACITOR   4.7\(\text{u}\)F 50V M   D1301   MA8100/M/-X   Z DIODE   C1166   QENC1HM-475Z   BP E CAPACITOR   4.7\(\text{u}\)F 50V M								
Q3502         2SC3928A/QR/-X         TRANSISTOR         C1149         NCB31HK-472X         C CAPACITOR         4700pF 50V K           Q3505         2SA1530A/QR/-X         TRANSISTOR         C1150         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           Q3506         2SC3928A/QR/-X         TRANSISTOR         C1151         NCB31EK-104X         C CAPACITOR         0.1uF 25V K           Q3509         2SA1530A/QR/-X         TRANSISTOR         C1152         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           Q3510         2SC3928A/QR/-X         TRANSISTOR         C1153         NCB31HK-562X         C CAPACITOR         5600pF 50V K           Q6001         2SC3928A/QR/-X         TRANSISTOR         C1153         NCB31HK-123X         C CAPACITOR         0.012uF 50V K           Q6002         2SC3928A/QR/-X         TRANSISTOR         C1155         QETN1HM-105Z         E CAPACITOR         0.012uF 50V M           D193         MA8082/M/-X         Z DIODE         C1155         QETN1HM-475Z         E CAPACITOR         1 uF 50V M           D1140         MA8100/M/-X         Z DIODE         C1158         QETN1HM-475Z         E CAPACITOR         4.7uF 50V M           D1145         MA8100/M/-X         Z DIODE         C1159         QETN1HM-	Q3007	2SA1530A/QR/-X	TRANSISTOR		C1147	QENC1HM-475Z		4.7uF 50V M
Q3505         2SA1530A/QR/-X         TRANSISTOR         C1150         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           Q3506         2SC3928A/QR/-X         TRANSISTOR         C1151         NCB31EK-104X         C CAPACITOR         0.1uF 25V K           Q3509         2SA1530A/QR/-X         TRANSISTOR         C1152         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           Q3510         2SC3928A/QR/-X         TRANSISTOR         C1153         NCB31HK-562X         C CAPACITOR         5600pF 50V K           Q6001         2SC3928A/QR/-X         TRANSISTOR         C1154         NCB31HK-123X         C CAPACITOR         0.012uF 50V K           Q6002         2SC3928A/QR/-X         TRANSISTOR         C1155         QETN1HM-105Z         E CAPACITOR         1.0uF 50V M           D1093         MA8082/M/-X         Z DIODE         C1156         QETN1HM-105Z         E CAPACITOR         4.7uF 50V M           D1140         MA8100/M/-X         Z DIODE         C1158         QETN1HM-475Z         E CAPACITOR         4.7uF 50V M           D1141         MA8100/M/-X         Z DIODE         C1159         QETN1CM-107Z         E CAPACITOR         4.7uF 50V M           D1146         MA8082/M/-X         Z DIODE         C1160         QENC1HM-475Z <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Q3506   2SC3928A/QR/-X   TRANSISTOR   C1151   NCB31EK-104X   C CAPACITOR   0.1uF 25V K   Q3509   2SA1530A/QR/-X   TRANSISTOR   C1152   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3510   2SC3928A/QR/-X   TRANSISTOR   C1153   NCB31HK-562X   C CAPACITOR   5600pF 50V K   Q6001   2SC3928A/QR/-X   TRANSISTOR   C1154   NCB31HK-123X   C CAPACITOR   0.012uF 50V K   Q6002   2SC3928A/QR/-X   TRANSISTOR   C1155   QETN1HM-105Z   E CAPACITOR   1.uF 50V M   C1156   QETN1HM-475Z   E CAPACITOR   1.uF 50V M   C1157   QETN1HM-475Z   E CAPACITOR   1.uF 50V M   C1150   QENC1HM-475Z   E CAPACITOR   1.uF 50	Q3502 Q3505		TRANSISTOR					
Q3509   2\$A1530A/QR/-X   TRANSISTOR   C1152   QENC1HM-475Z   BP E CAPACITOR   4.7uF 50V M   Q3510   2\$C3928A/QR/-X   TRANSISTOR   C1153   NCB31HK-562X   C CAPACITOR   5600pF 50V K   Q6001   2\$C3928A/QR/-X   TRANSISTOR   C1154   NCB31HK-123X   C CAPACITOR   0.012uF 50V K   Q6002   2\$C3928A/QR/-X   TRANSISTOR   C1155   QETN1HM-105Z   E CAPACITOR   1.0uF 50V M   C1156   QETN1HM-475Z   E CAPACITOR   4.7uF 50V M   C1156   QETN1HM-475Z   E CAPACITOR   1.0uF 50V M   C1156   QETN1HM-475Z   E CAPACITOR   4.7uF 50V M   C1146   QENC1HM-475Z   E CAPACITOR   4.7uF 50V M   C1146   QENC1HM-475Z   E CAPACITOR   4.7uF 50V M   C1146   QENC1HM-475Z   E CAPACITOR   4.7uF 50V M   C1156   QENC1HM-475Z   E CAPACITOR   4.7uF 50V M	Q3506		TRANSISTOR					
Q6001         2SC3928A/QR/-X         TRANSISTOR         C1154         NCB31HK-123X         C CAPACITOR         0.012uF 50V K           Q6002         2SC3928A/QR/-X         TRANSISTOR         C1155         QETN1HM-105Z         E CAPACITOR         1uF 50V M           D1093         MA8082/M/-X         Z DIODE         C1157         QETN1HM-106Z         E CAPACITOR         4.7uF 50V M           D1140         MA8100/M/-X         Z DIODE         C1158         QETN1HM-475Z         E CAPACITOR         4.7uF 50V M           D1141         MA8100/M/-X         Z DIODE         C1159         QETN1CM-107Z         E CAPACITOR         100uF 16V M           D1145         MA8082/M/-X         Z DIODE         C1160         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1146         MA8082/M/-X         Z DIODE         C1160         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1251         MA8100/M/-X         Z DIODE         C1161         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1252         MA8100/M/-X         Z DIODE         C1163         NCB31HK-272X         C CAPACITOR         2700pF 50V K           D1253         MA8100/M/-X         Z DIODE         C1163         NCB31HK-473X         C CAPACI	Q3509		TRANSISTOR		C1152		BP E CAPACITOR	4.7uF 50V M
Q6002         2SC3928A/QR/-X         TRANSISTOR         C1155         QETN1HM-105Z         E CAPACITOR         1uF 50V M           D1093         MA8082/M/-X         Z DIODE         C1157         QETN1HM-475Z         E CAPACITOR         4,7uF 50V M           D1140         MA8100/M/-X         Z DIODE         C1158         QETN1HM-475Z         E CAPACITOR         10uF 50V M           D1141         MA8100/M/-X         Z DIODE         C1159         QETN1CM-107Z         E CAPACITOR         100uF 16V M           D1145         MA8082/M/-X         Z DIODE         C1160         QENC1HM-475Z         BP E CAPACITOR         4,7uF 50V M           D1146         MA8082/M/-X         Z DIODE         C1161         QETN1HM-475Z         BP E CAPACITOR         4,7uF 50V M           D1251         MA8100/M/-X         Z DIODE         C1162         QENC1HM-475Z         BP E CAPACITOR         4,7uF 50V M           D1252         MA8100/M/-X         Z DIODE         C1162         QENC1HM-475Z         BP E CAPACITOR         4,7uF 50V M           D1252         MA8100/M/-X         Z DIODE         C1163         NCB31HK-272X         C CAPACITOR         2700pF 50V K           D1301         MA8100/M/-X         Z DIODE         C1165         QETN1HM-335Z         E CAPACITOR <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
D1093 MA8082/M/-X Z DIODE C1156 QETN1HM-475Z E CAPACITOR 4.7uF 50V M D1140 MA8100/M/-X Z DIODE C1157 QETN1HM-106Z E CAPACITOR 10uF 50V M D1141 MA8100/M/-X Z DIODE C1158 QETN1HM-475Z E CAPACITOR 4.7uF 50V M D1141 MA8100/M/-X Z DIODE C1159 QETN1CM-107Z E CAPACITOR 100uF 16V M D1145 MA8082/M/-X Z DIODE C1160 QENC1HM-475Z BP E CAPACITOR 4.7uF 50V M D1146 MA8082/M/-X Z DIODE C1161 QETN1HM-475Z BP E CAPACITOR 4.7uF 50V M D1251 MA8100/M/-X Z DIODE C1162 QENC1HM-475Z BP E CAPACITOR 4.7uF 50V M D1252 MA8100/M/-X Z DIODE C1163 NCB31HK-272X C CAPACITOR 4.7uF 50V M D1253 MA111-X SI DIODE C1163 NCB31HK-272X C CAPACITOR 2700pF 50V K D1253 MA111-X SI DIODE C1164 NCB31HK-473X C CAPACITOR 0.047uF 50V K D1301 MA8100/M/-X Z DIODE C1165 QETN1HM-335Z E CAPACITOR 3.3uF 50V M D1302 MA8100/M/-X Z DIODE C1166 QENC1HM-475Z BP E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1166 QENC1HM-375Z BP E CAPACITOR 3.3uF 50V M D1305 MA8100/M/-X Z DIODE C1166 QENC1HM-375Z BP E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1166 QENC1HM-375Z BP E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1166 QENC1HM-375Z BP E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1166 QENC1HM-375Z BP E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1166 QENC1HM-375Z BP E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1166 QENC1HM-375Z BP E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1166 QENC1HM-375Z BP E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1166 QENC1HM-375Z BP E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1166 QENC1HM-375Z BP E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1166 QENC1HM-375Z BP E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1167 QETN1HM-106Z E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1167 QETN1HM-106Z E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1167 QETN1HM-106Z E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1167 QETN1HM-106Z E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1167 QETN1HM-106Z E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1167 QETN1HM-106Z E CAPACITOR 4.7uF 50V M D130								
D1093         MA8082/M/-X         Z DIODE         C1157         QETN1HM-106Z         E CAPACITOR         10uF 50V M           D1140         MA8100/M/-X         Z DIODE         C1158         QETN1HM-475Z         E CAPACITOR         4.7uF 50V M           D1141         MA8100/M/-X         Z DIODE         C1159         QETN1CM-107Z         E CAPACITOR         100uF 16V M           D1145         MA8082/M/-X         Z DIODE         C1160         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1146         MA8082/M/-X         Z DIODE         C1161         QETN1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1251         MA8100/M/-X         Z DIODE         C1162         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1252         MA8100/M/-X         Z DIODE         C1163         NCB31HK-272X         C CAPACITOR         2700pF 50V K           D1253         MA9100/M/-X         Z DIODE         C1164         NCB31HK-473X         C CAPACITOR         0.047uF 50V K           D1301         MA8100/M/-X         Z DIODE         C1165         QETN1HM-335Z         E CAPACITOR         3.3uF 50V M           D1302         MA8100/M/-X         Z DIODE         C1166         QENC1HM-475Z         BP E CAPACITOR	Q0002	2000020/10/10/70	110110101010					
D1141         MA8100/M/-X         Z DIODE         C1159         QETN1CM-107Z         E CAPACITOR         100uf 16V M           D1145         MA8082/M/-X         Z DIODE         C1160         QENC1HM-475Z         BP E CAPACITOR         4.7uf 50V M           D1251         MA8100/M/-X         Z DIODE         C1161         QETN1HM-475Z         E CAPACITOR         4.7uf 50V M           D1252         MA8100/M/-X         Z DIODE         C1162         QENC1HM-475Z         BP E CAPACITOR         4.7uf 50V M           D1252         MA8100/M/-X         Z DIODE         C1163         NCB31HK-272X         C CAPACITOR         2700pF 50V K           D1253         MA111-X         SI DIODE         C1164         NCB31HK-473X         C CAPACITOR         0.047uF 50V K           D1301         MA8100/M/-X         Z DIODE         C1165         QETN1HM-335Z         E CAPACITOR         3.3uF 50V M           D1302         MA8100/M/-X         Z DIODE         C1166         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1305         MA8100/M/-X         Z DIODE         C1166         QENC1HM-475Z         E CAPACITOR         4.7uF 50V M           D1305         MA8100/M/-X         Z DIODE         C1167         QETN1HM-106Z         E CAPACITOR					C1157	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D1145         MA8082/M/-X         Z DIODE         C1160         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1146         MA8082/M/-X         Z DIODE         C1161         QETN1HM-475Z         E CAPACITOR         4.7uF 50V M           D1251         MA8100/M/-X         Z DIODE         C1162         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1252         MA8100/M/-X         Z DIODE         C1163         NCB31HK-272X         C CAPACITOR         2700pF 50V K           D1253         MA111-X         S I DIODE         C1164         NCB31HK-473X         C CAPACITOR         0.047uF 50V K           D1301         MA8100/M/-X         Z DIODE         C1165         QETN1HM-335Z         E CAPACITOR         3.3uF 50V M           D1302         MA8100/M/-X         Z DIODE         C1166         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1305         MA8100/M/-X         Z DIODE         C1167         QETN1HM-106Z         E CAPACITOR         10uF 50V M								
D1146         MA8082/M/-X         Z DIODE         C1161         QETN1HM-475Z         E CAPACITOR         4.7uF 50V M           D1251         MA8100/M/-X         Z DIODE         C1162         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1252         MA8100/M/-X         Z DIODE         C1163         NCB31HK-272X         C CAPACITOR         2700pF 50V K           D1253         MA11-X         SI DIODE         C1164         NCB31HK-473X         C CAPACITOR         0.047uF 50V K           D1301         MA8100/M/-X         Z DIODE         C1165         QETN1HM-335Z         E CAPACITOR         3.3uF 50V M           D1302         MA8100/M/-X         Z DIODE         C1166         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1305         MA8100/M/-X         Z DIODE         C1167         QETN1HM-106Z         E CAPACITOR         10uF 50V M								
D1251         MA8100/M/-X         Z DIODE         C1162         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1252         MA8100/M/-X         Z DIODE         C1163         NCB31HK-272X         C CAPACITOR         2700pF 50V K           D1253         MA111-X         SI DIODE         C1164         NCB31HK-473X         C CAPACITOR         0.047uF 50V K           D1301         MA8100/M/-X         Z DIODE         C1165         QETN1HM-335Z         E CAPACITOR         3.3uF 50V M           D1302         MA8100/M/-X         Z DIODE         C1166         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1305         MA8100/M/-X         Z DIODE         C1167         QETN1HM-106Z         E CAPACITOR         10uF 50V M								
D1252         MA8100/M/-X         Z DIODE         C1163         NCB31HK-272X         C CAPACITOR         2700pF 50V K           D1253         MA111-X         SI DIODE         C1164         NCB31HK-473X         C CAPACITOR         0.047uF 50V K           D1301         MA8100/M/-X         Z DIODE         C1165         QETN1HM-335Z         E CAPACITOR         3.3uF 50V M           D1302         MA8100/M/-X         Z DIODE         C1166         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1305         MA8100/M/-X         Z DIODE         C1167         QETN1HM-106Z         E CAPACITOR         10uF 50V M	D1251	MA8100/M/-X	Z DIODE			QENC1HM-475Z		
D1301         MA8100/M/-X         Z DIODE         C1165         QETN1HM-335Z         E CAPACITOR         3.3uF 50V M           D1302         MA8100/M/-X         Z DIODE         C1166         QENC1HM-475Z         BP E CAPACITOR         4.7uF 50V M           D1305         MA8100/M/-X         Z DIODE         C1167         QETN1HM-106Z         E CAPACITOR         10uF 50V M					C1163	NCB31HK-272X	C CAPACITOR	2700pF 50V K
D1302 MA8100/M/-X Z DIODE C1166 QENC1HM-475Z BP E CAPACITOR 4.7uF 50V M D1305 MA8100/M/-X Z DIODE C1167 QETN1HM-106Z E CAPACITOR 10uF 50V M	D1253							
D1305 MA8100/M/-X Z DIODE C1167 QETN1HM-106Z E CAPACITOR 10uF 50V M								
	D1305	MA8100/M/-X	Z DIODE					
	D1306	MA8100/M/-X	Z DIODE		C1168	QETN1HM-105Z	E CAPACITOR	1uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
C1169	QENC1HM-475Z QENC1HM-475Z	BP E CAPACITOR BP E CAPACITOR	4.7uF 50V M 4.7uF 50V M	C1652 C1653	NCB31CK-153X NCB31CK-473X	C CAPACITOR C CAPACITOR	0.015uF 16V K 0.047uF 16V K
C1170 C1171	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1667	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1172 C1213	NCF31CZ-104X QETN1CM-107Z	C CAPACITOR E CAPACITOR	0.1uF 16V Z 100uF 16V M	C1668 C1669	NDC31HJ-101X NCB21CK-105X	C CAPACITOR C CAPACITOR	100pF 50V J 1uF 16V K
C1214	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C1670	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1215 C1216	QFLC1HJ-103Z NCF11CZ-475X	M CAPACITOR C CAPACITOR	0.01uF 50V J 4.7uF 16V Z	C1671 C1672	NDC31HJ-101X NCB21CK-105X	C CAPACITOR C CAPACITOR	100pF 50V J 1uF 16V K
C1218	NCB21CK-105X	C CAPACITOR	1uF 16V K	C1673	QETN1HM-477Z	E CAPACITOR	470uF 50V M
C1219 C1233	NCF11CZ-475X NDC31HJ-180X	C CAPACITOR C CAPACITOR	4.7uF 16V Z 18pF 50V J	C1674 C1675	QETM1HM-108 QFV21HJ-124Z	E CAPACITOR MF CAPACITOR	1000uF 50V M 0.12uF 50V J
C1257	QETN1HM-105Z	E CAPACITOR	1uF 50V M	C1676	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J
C1258 C1301	QETN1HM-105Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	1uF 50V M 100uF 16V M	C1677 C1678	QETN1EM-108Z QETN1EM-108Z	E CAPACITOR E CAPACITOR	1000uF 25V M 1000uF 25V M
C1302	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C1679	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1303 C1304	QETN1CM-107Z NCB31CK-104X	E CAPACITOR C CAPACITOR	100uF 16V M 0.1uF 16V K	C1680 C1696	QETN1HM-475Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 10uF 50V M
C1305	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1697	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1306 C1307	NCB31CK-104X QETN1CM-106Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 10uF 16V M	C1702 C1712	NCB21CK-105X QETN1AM-227Z	C CAPACITOR E CAPACITOR	1uF 16V K 220uF 10V M
C1308	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1806	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C1309 C1311	NCB31HK-103X NCB21CK-105X	C CAPACITOR C CAPACITOR	0.01uF 50V K 1uF 16V K	C1807 C1941	QETN1EM-476Z QETN1VM-477Z	E CAPACITOR E CAPACITOR	47uF 25V M 470uF 35V M
C1312 C1313	NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K	C1942 C1943	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C1322	NCB21CK-105X NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1943 C1944	NCB31EK-104X QETN1VM-477Z	C CAPACITOR E CAPACITOR	0.1uF 25V K 470uF 35V M
C1323 C1324	NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 1uF 16V K	C1945	QEZ0256-128	E CAPACITOR C CAPACITOR	1200uF 10V M 0.1uF 25V K
C1325	NCB21CK-105X NCB21CK-105X	C CAPACITOR	1uF 16V K	C1946 C1947	NCB31EK-104X QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1326 C1327	NDC31HJ-101X NDC31HJ-101X	C CAPACITOR C CAPACITOR	100pF 50V J 100pF 50V J	C1948 C1949	QETN1CM-477Z QETN0JM-108Z	E CAPACITOR E CAPACITOR	470uF 16V M 1000uF 6.3V M
C1328	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C1950	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1329 C1331	NCB31HK-103X NCB21CK-105X	C CAPACITOR C CAPACITOR	0.01úF 50V K 1uF 16V K	C1951 C1952	QETN1VM-477Z QEZ0256-128	E CAPACITOR E CAPACITOR	470uF 35V M 1200uF 10V M
C1332	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1953	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
C1333 C1341	NCB31HK-103X NCB21CK-105X	C CAPACITOR C CAPACITOR	0.01uF 50V K 1uF 16V K	C1955 C1961	NCB31EK-104X QETN1HM-105Z	C CAPACITOR E CAPACITOR	0.1uF 25V K 1uF 50V M
C1341 C1342	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1981	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1343 C1351	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C1984 C1985	QETN0JM-108Z QETN0JM-477Z	E CAPACITOR E CAPACITOR	1000uF 6.3V M 470uF 6.3V M
C1352	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1991	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C1353 C1354	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C1992 C1994	QETN1CM-477Z NCB11CK-225X	E CAPACITOR C CAPACITOR	470uF 16V M 2.2uF 16V K
C1355	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1995	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1371 C1372	QETN1CM-336Z NCB31CK-104X	E CAPACITOR C CAPACITOR	33uF 16V M 0.1uF 16V K	C1996 C2102	NCB11CK-225X NCB31HK-103X	C CAPACITOR C CAPACITOR	2.2uF 16V K 0.01uF 50V K
C1381 C1382	QETN1CM-336Z NCB31CK-104X	E CAPACITOR C CAPACITOR	33uF 16V M 0.1uF 16V K	C2103 C2104	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M
C1391	QETN1CM-336Z	E CAPACITOR	33uF 16V M	C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1392 C1403	NCB31CK-104X QETN1AM-108Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 1000uF 10V M	C2106 C2123	NCB11CK-225X NCB31HK-103X	C CAPACITOR C CAPACITOR	2.2uF 16V K 0.01uF 50V K
C1404	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	C2124	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1405 C1406	QETN1AM-108Z QETN1AM-108Z	E CAPACITOR F CAPACITOR	1000uF 10V M 1000uF 10V M	C2126 C2127	QETN1HM-106Z NCB11CK-225X	E CAPACITOR C CAPACITOR	10uF 50V M 2.2uF 16V K
C1409	QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M	C2128	NCB11CK-225X NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1410 C1411	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K	C2144 C2145	QETN1HM-106Z NCB11CK-225X	E CAPACITOR C CAPACITOR	10uF 50V M 2.2uF 16V K
C1412	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C2146	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1415 C1416	NCB31HK-103X QETN1EM-476Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 47uF 25V M	C2302 C2303	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1417	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2322	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1418 C1421	QETN1EM-476Z QETN1AM-108Z	E CAPACITOR E CAPACITOR	47uF 25V M 1000uF 10V M	C2323 C2341	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1423 C1442	QETN1HM-476Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	47uF 50V M 47uF 25V M	C2342 C2343	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3001	QENC1AM-336Z	BP E CAPACITOR	33uF 10V M
C1502 C1510	QETN1EM-476Z QENC1CM-106Z	E CAPACITOR BP E CAPACITOR	47uF 25V M 10uF 16V M	C3002 C3003	NDC31HJ-151X NDC31HJ-121X	C CAPACITOR C CAPACITOR	150pF 50V J 120pF 50V J
C1519	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3004	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C1531 C1532	NCB31CK-104X QETN1HM-226Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 22uF 50V M	C3005 C3006	NCF11CZ-475X NCF31CZ-104X	C CAPACITOR C CAPACITOR	4.7uF 16V Z 0.1uF 16V Z
C1539	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	C3007	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C1540 C1553	QETN1AM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 10V M 0.01uF 50V K	C3008 C3009	NDC31HJ-151X NDC31HJ-121X	C CAPACITOR C CAPACITOR	150pF 50V J 120pF 50V J
C1554	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3010	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C1555 C1556	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C3011 C3012	NCF11CZ-475X NCF31CZ-104X	C CAPACITOR C CAPACITOR	4.7uF 16V Z 0.1uF 16V Z
C1557	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1579 C1641	QETN1EM-476Z QENC1HM-106Z	E CAPACITOR BP E CAPACITOR	47uF 25V M 10uF 50V M	C3014 C3015	QETN1CM-107Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	100uF 16V M 0.1uF 16V Z
C1642	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1643 C1645	NCB31CK-473X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.047uF 16V K 0.1uF 16V K	C3017 C3018	QENC1HM-475Z NCF31CZ-104X	BP E CAPACITOR C CAPACITOR	4.7uF 50V M 0.1uF 16V Z
C1646	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1647 C1648	QETN1HM-226Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	22uF 50V M 10uF 50V M	C3020 C3021	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K
C1651	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C3022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

CORRESTOR	⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
Case   Collin Collin   Colli					P0705	NPS463 L103Y	MG RESISTOR	10kO 1/16W I
COUGN   NOCHILL-TROWN   C CAPACITOR   Type 50 J   R110	C3025	QETN1CM-106Z	E CAPACITOR	10uF 16V M	R0706	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
CO209   MC251C2-1004   C CAPACTOR   C CAPA	C3026 C3027	NCF31CZ-104X NDC31H L-7R0X		0.1uF 16V Z 7nF 50V J			MG RESISTOR	
COSIGN   MCFSIC-2-104X   C.CAPACTOR   D.L.F. 160 / Z.   P. 1110   M. REASAGL-105X   M. C.PESTOR   D.L.F. 160 / J. P. 170   C.CO.   P. 170   P. 17	C3028	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R1105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
COST   MCF11C2-1094X	C3029 C3030	NCF31CZ-104X NCF31CZ-104X				NRSA63J-473X NRSA63J-103X	MG RESISTOR	
Colors   Mochine   Color   C	C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1111	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
COMPANDED   COMP	C3032	NDC31HJ-560X					MG RESISTOR	
COSTON   C	C3034	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R1141	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
CG303   NCFS1CZ-104X	C3035	NDC31HJ-330X			R1142	NRSA63J-221X		
C0309 NEPSICZ-IPMX C CAPACITOR 0.1 = 16V Z PACTOR 0.1 = 16V Z PACTOR 10 = 16V Z PACT	C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1144	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
CAMPATON	C3038			0.1uF 16V Z		NRSA63J-123X		
COMPAND	C3041	QETN1CM-106Z	E CAPACITOR	10uF 16V M	R1147	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
CQUEST MATERIAL CAPACITOR 4700F 59V K R1152 NESA631-392X MS RESISTOR 2004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R1152 NESA631-21X MS RESISTOR 2004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R1102 NESA631-101X MS RESISTOR 2004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R120 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R120 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R120 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R120 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R1218 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R1218 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R122 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R122 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R122 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R122 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R122 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R122 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R122 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R122 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R122 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 4700F 59V K R122 NESA631-101X MS RESISTOR 1004 178W J CQUEST MATERIAL CAPACITOR 10		NCB31HK-472X				NRSA63J-332X	MG RESISTOR	
CO496 MCB31H-472X C CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 2004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 1004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 1004 178W J CAPACITOR 4700F 59V K R121 NRSA63-101X MG RESISTOR 3004 178W J CAPACITOR 4700F 59V K R121 NRSA63-101X MG RESISTOR 3004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 3004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 3004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 3004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 1004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 1004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 1004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 1004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 1004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 1004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 1004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 1004 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 2.240 178W J CAPACITOR 4700F 59V K R122 NRSA63-101X MG RESISTOR 3.340 178W J CAPACITOR 4700F 59V K R122 NRSA63-122X MG RESISTOR 3.340 178W J CAPACITOR 1004 178W J CAPACITOR 10	C3045	NCB31HK-472X			R1152	NRSA63J-392X	MG RESISTOR	
CQ069 NC691HH-472X C CAPACITOR 4700F 50V K R1202 NESA63-101X MG RESISTOR 100.0 1/16WJ CQ061 NC691HH-472X C CAPACITOR 4700F 50V K R120 NESA63-101X MG RESISTOR 100.0 1/16WJ CQ061 NC691HH-472X C CAPACITOR 4700F 50V K R120 NESA63-101X MG RESISTOR 100.0 1/16WJ CQ061 NC691HH-472X C CAPACITOR 4700F 50V K R120 NESA63-101X MG RESISTOR 100.0 1/16WJ CQ061 NC691HH-472X C CAPACITOR 4700F 50V K R120 NESA63-101X MG RESISTOR 100.0 1/16WJ CQ061 NC691HH-472X C CAPACITOR 4700F 50V K R122 NESA63-101X MG RESISTOR 100.0 1/16WJ CQ060 NC691HH-472X C CAPACITOR 4700F 50V K R122 NESA63-101X MG RESISTOR 100.0 1/16WJ CQ060 NC691HH-472X C CAPACITOR 4700F 50V K R122 NESA63-101X MG RESISTOR 100.0 1/16WJ CQ060 NC691HH-472X C CAPACITOR 4700F 50V K R122 NESA63-101X MG RESISTOR 100.0 1/16WJ CQ060 NC691HH-472X C CAPACITOR 4700F 50V K R122 NESA63-101X MG RESISTOR 100.0 1/16WJ CQ060 NC691HH-472X C CAPACITOR 4700F 50V K R122 NESA63-101X MG RESISTOR 100.0 1/16WJ CQ060 NC691HH-472X C CAPACITOR 4700F 50V K R122 NESA63-12X MG RESISTOR 100.0 1/16WJ CQ060 NC691HH-472X C CAPACITOR 100 NC691	C3046				R1157	NRSA63J-221X		
COSON NCSS1HK-472X C CAPACITOR 4700pF 69V K R121 NRSA63-362X MG RESISTOR 3.2011fBW J CASH MRSA63-362X MG RESISTOR 4700pF 69V K R121 NRSA63-331X MG RESISTOR 1002 11fBW J CASH MRSA63-310X MG RESISTOR 2.2011fBW J CASH MRSA63-32X MG RESISTOR 3.2011fBW J CASH MRSA63-32X MG RESISTOR 2.2011fBW J CASH MRSA63-34X MG RESIS	C3048	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3051 NCB31HK-472X C CAPACITOR 4700pF 50V K R129 NRSA63J-31X MG RESISTOR 3300 116W J C3052 NCB31HK-472X C CAPACITOR 4700pF 50V K R122 NRSA63J-101X MG RESISTOR 1000 116W J C3053 NCB31HK-472X C CAPACITOR 4700pF 50V K R122 NRSA63J-101X MG RESISTOR 1000 116W J C3055 NCB31HK-472X C CAPACITOR 4700pF 50V K R122 NRSA63J-101X MG RESISTOR 200 116W J C3055 NCB31HK-472X C CAPACITOR 4700pF 50V K R129 NRSA63J-20X MG RESISTOR 3,00 116W J C3055 NCB31HK-472X C CAPACITOR 4700pF 50V K R129 NRSA63J-30X MG RESISTOR 3,00 116W J C3056 NCB31HK-472X C CAPACITOR 10µ 16W M R129 NRSA63J-30X MG RESISTOR 3,00 116W J C3056 NCB31HK-472X C CAPACITOR 10µ 16W M R129 NRSA63J-30X MG RESISTOR 3,00 116W J C3056 NCB31HK-472X C CAPACITOR 10µ 16W M R129 NRSA63J-30X MG RESISTOR 200 116W J C3056 NCB71HK-105Z C CAPACITOR 10µ 16W M R129 NRSA63J-20X MG RESISTOR 200 116W J C3056 NCB71HK-105Z C CAPACITOR 10µ 16W M R129 NRSA63J-20X MG RESISTOR 200 116W J C3056 NCB71HK-105Z C CAPACITOR 10µ 16W M R129 NRSA63J-20X MG RESISTOR 200 116W J C3056 NCB71HK-105Z C CAPACITOR 10µ 16W M R129 NRSA63J-20X MG RESISTOR 200 116W J C3056 NCB71HK-105Z C CAPACITOR 10µ 16W M R129 NRSA63J-20X MG RESISTOR 200 116W J C3056 NCB71HK-105Z C CAPACITOR 10µ 16W M R129 NRSA63J-20X MG RESISTOR 200 116W J C3056 NCB71HK-105Z C CAPACITOR 10µ 16W M R129 NRSA63J-10X MG RESISTOR 10µ 16W J NCB71HK-105Z C CAPACITOR 10µ 16W M R125 NRSA63J-10X MG RESISTOR 10µ 16W J NCB71HK-10X N	C3049				R1203			
C0054 NCBSHH4-TZX C CAPACITOR 4700P F0V K R1221 NRSA63-101X MG RESISTOR 1000_116W J C0056 NCBSHK4-TZX C CAPACITOR 4700P F0V K R1228 NRSA63-122X MG RESISTOR 1000_116W J C0056 NCBSHK4-TZX C CAPACITOR 4700P F0V K R1228 NRSA63-122X MG RESISTOR 2 22U 116W J C0056 NCBSHK4-TZX C CAPACITOR 4700P F0V K R1228 NRSA63-122X MG RESISTOR 2 22U 116W J C0056 NCBSHK4-TZX C CAPACITOR 1000 F16W J R1250 NRSA63-122X MG RESISTOR 2 20U 116W J C0056 NCBSHK4-TZX C CAPACITOR 1000 F16W J R1250 NRSA63-122X MG RESISTOR 2 20U 116W J C0056 NCBSHK4-TZX C CAPACITOR 1000 F16W J R1250 NRSA63-122X MG RESISTOR 2 20U 116W J C0056 NCBSHK4-TZX C CAPACITOR 1000 F16W J R1250 NRSA63-12X MG RESISTOR 2 20U 116W J C0056 NCBSHK4-TZX C CAPACITOR 1000 F16W J R1250 NRSA63-12X MG RESISTOR 2 20U 116W J C0056 NCBSHK4-TZX C CAPACITOR 1000 F16W J R1250 NRSA63-12X MG RESISTOR 2 20U 116W J C0056 NCBSHK4-TZX C CAPACITOR 1000 F16W J R1250 NRSA63-12X MG RESISTOR 2 20U 116W J C0056 NCBSHK4-TZX C CAPACITOR 1000 F16W J R1250 NRSA63-12X MG RESISTOR 2 20U 116W J C0056 NCBSHK4-TZX C CAPACITOR 1 1000 F16W J R1250 NRSA63-12X MG RESISTOR 1 15W J R1250 NRSA63-12X MG RESISTO	C3051	NCB31HK-472X		4700pF 50V K	R1219	NRSA63J-331X	MG RESISTOR	
C0064 NCB31H4-472K C CAPACITOR 4700pF 50V K R1226 NR5A63-102X MQ RESISTOR 10kB 116W J C0060 NCB31H4-472K C CAPACITOR 4700pF 50V K R1228 NR5A63-102X MQ RESISTOR 2.26b 116W J C0060 NCB31H4-472K C CAPACITOR 4700pF 50V K R1228 NR5A63-32X MQ RESISTOR 3.3kb 116W J C0060 NCB31H4-172K C CAPACITOR 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C3052	NCB31HK-472X			R1220		MG RESISTOR	100Ω 1/16W J
C2005 OETNICM-100Z E CAPACITOR 10.0F 16V M R1220 NRSA63.1-21X MG RESISTOR 220L11RW J C2003 OETNITM-10X E CAPACITOR 1.0F 50V M R1231 NRSA63.1-21X MG RESISTOR 220L11RW J C2003 OETNITM-10X E CAPACITOR 1.0F 50V M R1231 NRSA63.1-22X MG RESISTOR 2 CARL 11RW J C2003 OETNITM-10X E CAPACITOR 1.0F 50V M R1231 NRSA63.1-22X MG RESISTOR 2 CARL 11RW J C2003 OETNITM-10X E CAPACITOR 1.0F 50V M R1231 NRSA63.1-22X MG RESISTOR 2 CARL 11RW J C2003 OETNITM-10X C2004 NCF31CZ-104X C CAPACITOR 1.0F 50V M R1261 NRSA63.1-22X MG RESISTOR 0.1F 50V M R1261 NRSA63.1-22X MG RESISTOR 0.1F 50V M R1261 NRSA63.1-12X MG RESISTOR 0.1F 50V M R1261 NRSA63.1-12X MG RESISTOR 0.1F 60V M R1261 NRSA63.1-12X MG RESISTOR 1.5KL11RW J C2003 OETNITM-10X	C3054	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1226	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C2005 OETNICM-100Z E CAPACITOR 10.0F 16V M R1220 NRSA63.1-21X MG RESISTOR 220L11RW J C2003 OETNITM-10X E CAPACITOR 1.0F 50V M R1231 NRSA63.1-21X MG RESISTOR 220L11RW J C2003 OETNITM-10X E CAPACITOR 1.0F 50V M R1231 NRSA63.1-22X MG RESISTOR 2 CARL 11RW J C2003 OETNITM-10X E CAPACITOR 1.0F 50V M R1231 NRSA63.1-22X MG RESISTOR 2 CARL 11RW J C2003 OETNITM-10X E CAPACITOR 1.0F 50V M R1231 NRSA63.1-22X MG RESISTOR 2 CARL 11RW J C2003 OETNITM-10X C2004 NCF31CZ-104X C CAPACITOR 1.0F 50V M R1261 NRSA63.1-22X MG RESISTOR 0.1F 50V M R1261 NRSA63.1-22X MG RESISTOR 0.1F 50V M R1261 NRSA63.1-12X MG RESISTOR 0.1F 50V M R1261 NRSA63.1-12X MG RESISTOR 0.1F 60V M R1261 NRSA63.1-12X MG RESISTOR 1.5KL11RW J C2003 OETNITM-10X	C3055				R1228			
C3099 NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1231 NRSA63-1221X MG RESISTOR 220.1 116W J C3090 NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1232 NRSA63-122X MG RESISTOR 2 2 2 2 11 16W J C3090 NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1281 NRSA63-122X MG RESISTOR 2 2 2 11 16W J C3092 NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1281 NRSA63-122X MG RESISTOR 2 2 1 1 16W J C3092 NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1281 NRSA63-15 X MG RESISTOR 1 5 K01 116W J C3092 NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1281 NRSA63-15 X MG RESISTOR 1 5 K01 116W J C3094 NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1281 NRSA63-15 X MG RESISTOR 1 5 K01 116W J C3094 NCF31CZ-104X C CAPACITOR 0.1 19 16V Z R1282 NRSA63-15 X MG RESISTOR 1 5 K01 116W J C3095 NCF31CZ-104X C CAPACITOR 0.1 19 16V Z R1285 NRSA63-15 X MG RESISTOR 1 5 K01 116W J C3096 NCF31CZ-104X C CAPACITOR 0.1 19 16V Z R1285 NRSA63-15 X MG RESISTOR 1 5 K01 116W J C3096 NCF31CZ-104X C CAPACITOR 0.1 19 16V Z R1285 NRSA63-15 X MG RESISTOR 1 5 K01 116W J NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1285 NRSA63-15 X MG RESISTOR 1 5 K01 116W J NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1285 NRSA63-15 X MG RESISTOR 1 5 K01 116W J NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1285 NRSA63-15 X MG RESISTOR 1 5 K01 116W J NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1285 NRSA63-15 X MG RESISTOR 1 5 K01 116W J NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1285 NRSA63-12 X MG RESISTOR 1 5 K01 116W J NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1285 NRSA63-12 X MG RESISTOR 2 K01 116W J NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1285 NRSA63-12 X MG RESISTOR 2 K01 116W J NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1285 NRSA63-12 X MG RESISTOR 2 K01 116W J NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1285 NRSA63-12 X MG RESISTOR 2 K01 116W J NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1285 NRSA63-12 X MG RESISTOR 2 K01 116W J NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1285 NRSA63-12 X MG RESISTOR 2 K01 116W J NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1285 NRSA63-12 X MG RESISTOR 2 K01 116W J NCF31CZ-104X C CAPACITOR 0.1 19 50 V M R1285 NRSA63-12 X MG RESIST	C3057	QETN1CM-106Z	E CAPACITOR	10uF 16V M	R1230	NRSA63J-101X	MG RESISTOR	
C3060 NCF31CZ-104X C CAPACITOR 0.1 uF 16V Z R1234 NRSA63.1-562X MG RESISTOR 5.6 kB 116W J C3061 QCF11CZ-104X C CAPACITOR 1.1 uF 50V M R1236 NRSA63.1-22X MG RESISTOR 2.2 kB 116W J C3063 QCF11CZ-104X C CAPACITOR 1.1 uF 50V M R1261 NRSA63.1-20X MG RESISTOR 0.1 uF 60V Z R1260 NRSA63.1-2 MG RESISTOR 0.1 uF 60V Z R1260 NRSA63.1-2 MG RESISTOR 0.1 uF 60V Z R1262 NRSA63.1-1 MG RESISTOR 1.5 kB 116W J C3064 NCF31CZ-104X C CAPACITOR 1.1 uF 60V Z R1262 NRSA63.1-1 MG RESISTOR 1.5 kB 116W J C3065 QCF11CM-1 MG Z C CAPACITOR 1.1 uF 60V Z R1262 NRSA63.1-1 MG RESISTOR 1.5 kB 116W J C3065 QCF11 MG MG Z C CAPACITOR 1.1 uF 60V Z R1262 NRSA63.1-1 MG MG RESISTOR 1.5 kB 116W J C3065 QCF11 MG MG Z CAPACITOR 1.1 uF 60V Z R1262 NRSA63.1-1 MG MG RESISTOR 1.5 kB 116W J C3069 QCF11 MG MG Z CAPACITOR 0.1 uF 50V M R1267 NRSA63.1-1 MG MG RESISTOR 1.5 kB 116W J C3069 QCF11 MG MG Z CAPACITOR 0.1 uF 50V M R1267 NRSA63.1-1 MG MG RESISTOR 1.5 kB 116W J C3069 QCF11 MG MG Z CAPACITOR 0.1 uF 50V M R1269 NRSA63.3-1 MG MG RESISTOR 1.5 kB 116W J C3070 NCB31 MG A334X C CAPACITOR 0.1 uF 50V M R1269 NRSA63.3-1 MG MG RESISTOR 3.3 kB 116W J C3071 NCB31 MG A334X C CAPACITOR 0.1 uF 50V M R1269 NRSA63.3-1 MG MG RESISTOR 3.3 kB 116W J C3072 NCB31 MG A334X C CAPACITOR 0.1 uF 16V Z R1285 NRSA63.3-1 MG MG RESISTOR 2.2 MG H MG	C3058				R1231	NRSA63J-221X		
C3061 QETNIHH-105Z E CAPACITOR 1LP 50V M R1256 NRSASJ-22ZX MG RESISTOR 2.24£11/64V J C3063 QETNIHH-105Z E CAPACITOR 1LP 50V M R1261 NRSASJ-152X MG RESISTOR 0.11/66V J C3064 NCF91C2-104X C CAPACITOR 1LP 50V M R1261 NRSASJ-152X MG RESISTOR 1.5£L1/104V J C3068 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1261 NRSASJ-152X MG RESISTOR 1.5£L1/104V J C3068 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1261 NRSASJ-152X MG RESISTOR 1.5£L1/104V J C3068 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1261 NRSASJ-152X MG RESISTOR 1.5£L1/104V J C3068 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1266 NRSASJ-132X MG RESISTOR 1.5£L1/104V J C3068 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1269 NRSASJ-132X MG RESISTOR 1.0£L1/104V J C3069 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1269 NRSASJ-132X MG RESISTOR 1.0£L1/104V J C3070 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1269 NRSASJ-103X MG RESISTOR 1.0£L1/104V J C3070 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1269 NRSASJ-103X MG RESISTOR 1.0£L1/104V J C3071 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1269 NRSASJ-103X MG RESISTOR 3.0£L1/106V J C3071 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1269 NRSASJ-103X MG RESISTOR 1.0£L1/106V J C3072 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1269 NRSASJ-103X MG RESISTOR 1.0£L1/106V J C3072 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1269 NRSASJ-103X MG RESISTOR 1.0£L1/106V J C3072 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1262 NRSASJ-103X MG RESISTOR 2.02L1/106V J C3073 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1262 NRSASJ-103X MG RESISTOR 2.02L1/106V J C3076 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1262 NRSASJ-103X MG RESISTOR 2.0LP 140V J C3077 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1262 NRSASJ-103X MG RESISTOR 2.0LP 140V J C3078 NCF91C2-104X C CAPACITOR 1.0LP 60V M R1262 NRSASJ-103X MG RESISTOR 2.0LP 140V J C3079 NDC31H-1470X C CAPACITOR 1.0LP 60V M R1264 NRSASJ-103X MG RESISTOR 2.0LP 140V J C3079 NDC31H-1470X C CAPACITOR 1.0LP 60V M R1264 NRSASJ-103X MG RESISTOR 2.0LP 140V J C3079 NDC31H-1470X C CAPACITOR 1.0LP 60V M R1264 NRSASJ-103X MG RESISTOR 1.0LP 60V M R1264 NRSASJ-103X MG RESISTOR 1.0LP 60V M R1264 NRSASJ-103X M	C3060			0.1uF 16V Z	R1234			5.6kΩ 1/16W J
C3096 NCF310C-104X C CAPACITOR 1.0F 50V M R1261 NRSA63-152X MG RESISTOR 1.5kQ 1/16W J C3096 NCF310C-104X C CAPACITOR 1.0F 16V M R1265 NRSA63-1-30X MG RESISTOR 1.5kQ 1/16W J C3096 NCF310C-104X C CAPACITOR 1.0F 16V M R1265 NRSA63-1-30X MG RESISTOR 3.0kQ 1/16W J C3096 NCF310C-104X C CAPACITOR 1.0F 16V M R1265 NRSA63-1-30X MG RESISTOR 3.0kQ 1/16W J C3096 NCF310C-104X C CAPACITOR 1.0F 16V M R1267 NRSA63-1-30X MG RESISTOR 3.0kQ 1/16W J C3096 NCF310C-104X C CAPACITOR 4.0F 16V M R1267 NRSA63-1-30X MG RESISTOR 3.0kQ 1/16W J C3097 NCF310C-104X C CAPACITOR 4.0F 16V M R1267 NRSA63-1-30X MG RESISTOR 1.0kQ 1/16W J C3097 NCF310C-104X C CAPACITOR 4.0F 16V M R1267 NRSA63-1-30X MG RESISTOR 1.0kQ 1/16W J C3097 NCF310C-104X C CAPACITOR 4.0F 16V M R1267 NRSA63-1-30X MG RESISTOR 1.0kQ 1/16W J C3097 NCF310C-104X C CAPACITOR 4.0F 16V M R1262 NRSA63-1-30X MG RESISTOR 1.0kQ 1/16W J C3097 NCF310C-104X C CAPACITOR 4.0F 16V M R1262 NRSA63-1-30X MG RESISTOR 2.0cQ 1/4W J C3097 NCF310C-104X C CAPACITOR 4.0F 16V M R1262 NRSA63-1-30X MG RESISTOR 2.0cQ 1/4W J C3097 NCF310C-104X C CAPACITOR 4.0F 16V M R1264 NRSA63-1-30X MG RESISTOR 2.0cQ 1/46W J C3097 NCF310C-104X C CAPACITOR 0.0F 16V K R1264 NRSA63-1-30X MG RESISTOR 2.0cQ 1/46W J C3097 NCF310C-104X C CAPACITOR 0.0F 16V X R1264 NRSA63-1-30X MG RESISTOR 2.0cQ 1/16W J C3097 NCF310C-104X C CAPACITOR 0.0F 16V X R1265 NRSA63-1-30X MG RESISTOR 2.0cQ 1/16W J C3097 NCF310C-104X C CAPACITOR 0.0F 16V X R1265 NRSA63-1-30X MG RESISTOR 2.0cQ 1/16W J C3097 NCF310C-104X C CAPACITOR 1.0F 16V X R1265 NRSA63-1-30X MG RESISTOR 2.0cQ 1/16W J C3098 NCF310C-104X C CAPACITOR 1.0F 16V X R1265 NRSA63-1-30X MG RESISTOR 2.0cQ 1/16W J C3098 NCF310C-104X C CAPACITOR 1.0F 16V X R1267 NRSA63-1-30X MG RESISTOR 2.0cQ 1/16W J C3098 NCF310C-104X NRSA63-1-30X MG RESISTOR 1.0cQ 1/16W J C3098 NCF310C-104X	C3061	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R1236	NRSA63J-222X	MG RESISTOR	
C3066   CETNICH-106Z   C.APACITOR   10µF 16V M   R1265   NRSA631-103X M   RESISTOR   3.3RQ 1/16W J   C3067   CETNICH-476Z   C.APACITOR   47µF 16V M   R1267   NRSA631-103X M   RESISTOR   3.3RQ 1/16W J   C3068   NCB31HK-103X   C.APACITOR   47µF 16V M   R1267   NRSA631-103X M   RESISTOR   100RQ 1/16W J   C3068   NCB31HK-103X   C.APACITOR   47µF 16V M   R1269   NRSA631-103X M   RESISTOR   3.3RQ 1/16W J   C3070   NCB31HK-103X   C.APACITOR   47µF 16V M   R1269   NRSA631-332X M   RESISTOR   3.3RQ 1/16W J   C3071   NCB31HK-103X   C.APACITOR   47µF 16V M   R1269   NRSA631-332X M   RESISTOR   3.3RQ 1/16W J   C3071   NCB31HK-103X   C.APACITOR   47µF 16V M   R1269   NRSA631-332X M   RESISTOR   3.3RQ 1/16W J   C3077   NCB31HK-334X   C.APACITOR   47µF 16V M   R1262   R1284   NRSA631-32X M   RESISTOR   220Q 1/14W J   C3077   NCB31HK-334X   C.APACITOR   0.3BµF 16V K   R1284   NRSA631-82X M   RESISTOR   220Q 1/16W J   C3079   NDC31HL-470X   C.APACITOR   0.3BµF 16V K   R1284   NRSA631-82X M   RESISTOR   220Q 1/16W J   C3079   NDC31HL-470X   C.APACITOR   47µF 50V J   R1286   NRSA631-82X M   RESISTOR   220Q 1/16W J   C3079   NDC31HL-470X   C.APACITOR   47µF 50V J   R1286   NRSA631-82X M   RESISTOR   220Q 1/16W J   C3080   QBC C304 1/	C3063	QETN1HM-105Z			R1261	NRSA63J-152X	MG RESISTOR	
C3066 NCF31C2-104X   C C4PACITOR   O.1	C3064							
C3068   NCB31HK-103X   C CAPACITOR   0.01uF 50V K   R1269   NRSA63.1-03X   MG RESISTOR   3.3 Ω 1169V J C3070   NCB31HK-103X   C CAPACITOR   0.1uF 50V K   R1272   NRSA63.1-52X   MG RESISTOR   5.6 Ω 1169V J C3071   NCB31HK-103X   C CAPACITOR   0.1uF 50V K   R1272   NRSA63.1-52X   MG RESISTOR   5.6 Ω 1169V J C3072   NCB314K-30X   C CAPACITOR   0.1uF 16V Z   R1283   NRSA63.1-52X   MG RESISTOR   220Ω 1149V J C3072   NCB314K-30X   C CAPACITOR   0.1uF 16V Z   R1283   NRSA63.1-221X   MG RESISTOR   82 Ω 1169V J C3077   NCB314K-30X   C CAPACITOR   0.1uF 16V Z   R1284   NRSA63.1-221X   MG RESISTOR   82 Ω 1169V J C3078   NCB314K-30X   C CAPACITOR   0.1uF 16V Z   R1286   NRSA63.1-221X   MG RESISTOR   82 Ω 1169V J C3078   NCB314K-30X   C CAPACITOR   0.1uF 16V Z   R1286   NRSA63.1-221X   MG RESISTOR   82 Ω 1169V J C3089   OBTC1CK-106Z   TA E CAPACITOR   10uF 16V X   R1297   NRSA63.1-221X   MG RESISTOR   82 Ω 1169V J C3088   NCB31HK-152X   C CAPACITOR   1500F 50V J R1301   NRSA63.1-21X   MG RESISTOR   82 Ω 1169V J C3086   NCB31HK-152X   C CAPACITOR   1500F 50V J R1301   NRSA63.1-101X   MG RESISTOR   100Ω 1169V J C3088   NCB31HK-152X   C CAPACITOR   10uF 50V J R137   NRSA63.1-101X   MG RESISTOR   100Ω 1169V J C3088   NCB31HK-152X   C CAPACITOR   10uF 50V J R137   NRSA63.1-10X   MG RESISTOR   100Ω 1169V J C3089   NCB31HK-472X   C CAPACITOR   10uF 50V J R137   NRSA63.1-10X   MG RESISTOR   100Ω 1169V J C3099   NCB31HK-472X   C CAPACITOR   10uF 50V J R137   NRSA63.1-10X   MG RESISTOR   75Ω 1169V J C3099   NCB31HK-472X   C CAPACITOR   10uF 50V J R137   NRSA63.1-10X   MG RESISTOR   75Ω 1169V J C3090   NCB31HK-472X   C CAPACITOR   10uF 50V J R137   NRSA63.1-10X   MG RESISTOR   100Ω 1169V J C3090   NCB31HK-472X   C CAPACITOR   10uF 50V J R137   NRSA63.1-10X   MG RESISTOR   100Ω 1169V J C3090   NCB31HK-472X   C CAPACITOR   10uF 50V J R1394   NRSA63.1-10X   MG RESISTOR   100Ω 1169V J C3090   NCB31HK-472X   C CAPACITOR   10uF 50V J R1394   NRSA63.1-10X   MG RESISTOR   100Ω 1169V J C3090   NCB31HK-472X   C CAPACITOR   10uF 50V J R1394	C3066	NCF31CZ-104X		0.1uF 16V Z	R1266	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3099   QETNICM-476Z   E CAPACITOR	C3067				R1267	NRSA63J-104X	MG RESISTOR	
C3071 QETN1CM-476Z E CAPACITOR 47U-16V M R1282 QRE141J-221Y C RESISTOR 2200.114W J C3077 NCB314K-334X C CAPACITOR 0.3U-16V Z R1283 NRSA63J-221X MG RESISTOR 820.116W J C3078 NCF31CZ-104X C CAPACITOR 0.3U-16V Z R1284 NRSA63J-221X MG RESISTOR 820.116W J C3078 NCF31CZ-104X C CAPACITOR 47p-50V J R1286 NRSA63J-221X MG RESISTOR 820.116W J C3079 NDC31H-J470X C CAPACITOR 47p-50V J R1286 NRSA63J-221X MG RESISTOR 820.116W J C3080 QBT-10K-10K-10K-10K-10K-10K-10K-10K-10K-10K	C3069			47uF 16V M	R1269	NRSA63J-332X		
C3072 NCF31CC-104X C CAPACITOR 0.1uF16VZ R1283 NRSA63J-823X MG RESISTOR 2200.116W J C3076 NCB31AK-33X C CAPACITOR 0.3uF16V Z R1284 NRSA63J-823X MG RESISTOR 2200.116W J C3078 NCF31CC-104X C CAPACITOR 0.1uF16V Z R1285 NRSA63J-823X MG RESISTOR 2200.116W J C3080 NDC31H-1470X C CAPACITOR 10uF16V K R1287 NRSA63J-823X MG RESISTOR 2200.116W J C3080 QBTC1CK-106Z TA E CAPACITOR 10uF16V K R1287 NRSA63J-823X MG RESISTOR 82kD 116W J C3080 QBTC1CK-106Z TA E CAPACITOR 150pF 50V J R1286 NRSA63J-823X MG RESISTOR 82kD 116W J C3080 NDC31H-16VX C CAPACITOR 150pF 50V J R1301 NRSA63J-823X MG RESISTOR 1000.116W J C3080 NDC31H-16VX C CAPACITOR 150pF 50V J R1301 NRSA63J-101X MG RESISTOR 1000.116W J C3080 NDC31H-100X C CAPACITOR 10pF 50V J R1347 NRSA63J-101X MG RESISTOR 1000.116W J C3080 NDC31H-100X C CAPACITOR 10pF 50V J R1347 NRSA63J-1760X MG RESISTOR 750.116W J C3080 NDC31H-100X C CAPACITOR 10pF 50V J R1347 NRSA63J-1760X MG RESISTOR 750.116W J C3090 NDC31H-100X C CAPACITOR 10pF 50V J R1347 NRSA63J-1760X MG RESISTOR 750.116W J C3090 NCB31HK-472X C CAPACITOR 4700pF 50V K R1375 NRSA63J-101X MG RESISTOR 750.116W J C3090 NCB31HK-472X C CAPACITOR 4700pF 50V K R1374 NRSA63J-470X MG RESISTOR 4701.116W J C3501 NCF31C-104X C CAPACITOR 0.1uF 16V Z R1375 NRSA63J-470X MG RESISTOR 4701.116W J C3501 NCF31C-104X C CAPACITOR 0.1uF 16V Z R1376 NRSA63J-470X MG RESISTOR 0.0116W J C3501 NCF31C-2475X C CAPACITOR 10pF 50V J R1384 NRSA63J-471X MG RESISTOR 0.0116W J C3501 NDC31H-121X C CAPACITOR 10pF 50V J R1384 NRSA63J-471X MG RESISTOR 0.0116W J C3501 NDC31H-121X C CAPACITOR 10pF 50V J R1385 NRSA63J-471X MG RESISTOR 0.0116W J C3501 NDC31H-121X C CAPACITOR 10pF 50V J R1385 NRSA63J-471X MG RESISTOR 0.0116W J C3501 NDC31H-121X C CAPACITOR 10pF 50V J R1385 NRSA63J-471X MG RESISTOR 0.0116W J C3501 NDC31H-121X C CAPACITOR 10pF 50V J R1385 NRSA63J-471X MG RESISTOR 0.0116W J C3501 NDC31H-121X C CAPACITOR 10pF 50V J R1385 NRSA63J-471X MG RESISTOR 0.0116W J C3501 NDC31H-150X C CAPACITOR 10pF 50V J R1385 NRSA63J-471X MG RESISTOR 0.0116W J C3501 NDC31H-150X C CAPACITOR	C3070							
C3078 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z R1285 NRSA63.3-23X MG RESISTOR 82kb 1/16W J C3090 NDC31H_JATOX C CAPACITOR 47pF 50V J R1286 NRSA63.3-23X MG RESISTOR 2200 1/16W J C3080 NDC31H_JATOX C CAPACITOR 10uF 16V K R1287 NRSA63.3-121X MG RESISTOR 82kb 1/16W J C3082 NDC31H_JATOX C CAPACITOR 150pF 50V J R1301 NRSA63.3-101X MG RESISTOR 1000 1/16W J C3086 NDC31H_JATOX C CAPACITOR 150pF 50V J R1301 NRSA63.3-101X MG RESISTOR 1000 1/16W J C3086 NDC31H_JATOX C CAPACITOR 150pF 50V J R1307 NRSA63.3-101X MG RESISTOR 1000 1/16W J C3080 NDC31H_JATOX C CAPACITOR 10pF 50V J R1307 NRSA63.3-101X MG RESISTOR 750 1/16W J C3080 NDC31H_JATOX C CAPACITOR 10pF 50V J R1307 NRSA63.3-101X MG RESISTOR 750 1/16W J C3090 NDC31H_JATOX C CAPACITOR 10pF 50V J R1347 NRSA63.3-170X MG RESISTOR 750 1/16W J C3090 NDC31H_JATOX C CAPACITOR 4700pF 50V K R1374 NRSA63.3-170X MG RESISTOR 750 1/16W J C3090 NCB31HK-472X C CAPACITOR 4700pF 50V K R1374 NRSA63.4-171X MG RESISTOR 1000 1/16W J C3501 NCB31K-472X C CAPACITOR 4700pF 50V K R1374 NRSA63.3-171X MG RESISTOR 4701 1/16W J C3501 NCB31K-472X C CAPACITOR 10pF 50V J R1382 NRSA63.3-101X MG RESISTOR 4701 1/16W J C3501 NCB31H_JATOX C CAPACITOR 10pF 50V J R1382 NRSA63.3-101X MG RESISTOR 00 1/16W J C3501 NCB31H_JATOX C CAPACITOR 10pF 50V J R1382 NRSA63.3-101X MG RESISTOR 00 1/16W J C3504 NDC31H_JATOX C CAPACITOR 12pF 50V J R1384 NRSA63.3-101X MG RESISTOR 00 1/16W J C3504 NDC31H_JATOX C CAPACITOR 12pF 50V J R1384 NRSA63.3-101X MG RESISTOR 4701 1/16W J C3504 NDC31H_JATOX C CAPACITOR 12pF 50V J R1384 NRSA63.3-101X MG RESISTOR 4701 1/16W J C3504 NDC31H_JATOX C CAPACITOR 12pF 50V J R1384 NRSA63.3-101X MG RESISTOR 1000 1/16W J C3504 NDC31H_JATOX C CAPACITOR 12pF 50V J R1382 NRSA63.3-101X MG RESISTOR 1000 1/16W J C3504 NDC31H_JATOX C CAPACITOR 12pF 50V J R1382 NRSA63.3-101X MG RESISTOR 1000 1/16W J C3504 NDC31H_JATOX C CAPACITOR 12pF 50V J R1392 NRSA63.3-101X MG RESISTOR 1000 1/16W J C3504 NDC31H_JATOX C CAPACITOR 12pF 50V J R1402 NRSA63.3-100X MG RESISTOR 1000 1/16W J C3504 NDC31H_JATOX C CAPACITOR 15pF 50V J R1402 N	C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1283	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C3079   NDC31H-J470X   C CAPACITOR   47pF 50V J   R1286   NRSA63J-221X   MG RESISTOR   2200 1/16W J   C3080   QBTC1CK-106Z   TA E CAPACITOR   10pF 50V J   R1301   NRSA63J-823X   MG RESISTOR   62kb 1/16W J   C3086   NDC31H-J51X   C CAPACITOR   150pF 50V J   R1301   NRSA63J-101X   MG RESISTOR   1000 1/16W J   C3086   NDC31H-J100X   C CAPACITOR   150pF 50V J   R1307   NRSA63J-101X   MG RESISTOR   1000 1/16W J   C3088   NDC31H-J100X   C CAPACITOR   10pF 50V J   R1337   NRSA63J-750X   MG RESISTOR   750 1/16W J   C3089   NDC31H-J100X   C CAPACITOR   10pF 50V J   R1347   NRSA63J-750X   MG RESISTOR   750 1/16W J   C3090   NDC31H-J100X   C CAPACITOR   10pF 50V J   R1347   NRSA63J-750X   MG RESISTOR   750 1/16W J   C3090   NDC31H-J100X   C CAPACITOR   10pF 50V J   R1347   NRSA63J-750X   MG RESISTOR   750 1/16W J   C3090   NDC31H-J100X   C CAPACITOR   470pF 50V J   R1372   NRSA63J-101X   MG RESISTOR   1000 1/16W J   C3090   NDC31H-J100X   C CAPACITOR   470pF 50V K   R1374   NRSA63J-470X   MG RESISTOR   4700 1/16W J   C3501   NCB31HK-472X   C CAPACITOR   470pF 50V K   R1375   NRSA63J-470X   MG RESISTOR   470 1/16W J   C3501   NCB31HK-472X   C CAPACITOR   10pF 50V J   R1382   NRSA63J-101X   MG RESISTOR   001 1/16W J   C3503   NDC31H-J101X   C CAPACITOR   10pF 50V J   R1382   NRSA63J-470X   MG RESISTOR   001 1/16W J   C3503   NDC31H-J101X   C CAPACITOR   10pF 50V J   R1384   NRSA63J-470X   MG RESISTOR   001 1/16W J   C3503   NDC31H-J21X   C CAPACITOR   10pF 50V J   R1385   NRSA63J-470X   MG RESISTOR   470 1/16W J   C3503   NDC31H-J21X   C CAPACITOR   10pF 50V J   R1385   NRSA63J-470X   MG RESISTOR   000 1/16W J   C3503   NDC31H-J21X   C CAPACITOR   10pF 50V J   R1385   NRSA63J-470X   MG RESISTOR   000 1/16W J   C3503   NDC31H-J21X   C CAPACITOR   10pF 50V J   R1385   NRSA63J-470X   MG RESISTOR   000 1/16W J   C3503   NDC31H-J21X   C CAPACITOR   10pF 50V J   R1395   NRSA63J-470X   MG RESISTOR   001 1/16W J   C3503   NDC31H-J21X   C CAPACITOR   10pF 50V J   R1395   NRSA63J-470X   MG RESISTOR   001 1/16W J   C3513   NDC31H-J2		NCB31AK-334X			R1284	NRSA63J-221X	MG RESISTOR	
C3086   NCB31HK-152X   C CAPACITOR   1500pF 50V K   R130Z   NRSA63J-101X   MG RESISTOR   100Ω 11/6W J   C3089   NDC31H-1010X   C CAPACITOR   10pF 50V J   R1347   NRSA63J-750X   MG RESISTOR   75Ω 11/6W J   C3090   NDC31H-1010X   C CAPACITOR   10pF 50V J   R1347   NRSA63J-750X   MG RESISTOR   75Ω 11/6W J   C3090   NDC31H-1010X   C CAPACITOR   4700pF 50V K   R1372   NRSA63J-101X   MG RESISTOR   100Ω 11/6W J   C3090   NCB31HK-472X   C CAPACITOR   4700pF 50V K   R1374   NRSA63J-471X   MG RESISTOR   470Ω 11/6W J   C3501   NCB31HK-472X   C CAPACITOR   4700pF 50V K   R1375   NRSA63J-471X   MG RESISTOR   470Ω 11/6W J   C3501   NCB31HK-472X   C CAPACITOR   0.1uF 16V Z   R1378   NRSA63J-470X   MG RESISTOR   4701 11/6W J   C3502   NDC31H-1-121X   C CAPACITOR   100pF 50V J   R1382   NRSA63J-470X   MG RESISTOR   00Ω 11/6W J   C3502   NDC31H-1-121X   C CAPACITOR   100pF 50V J   R1384   NRSA63J-471X   MG RESISTOR   470Ω 11/6W J   C3504   NDC31H-1-150X   C CAPACITOR   15pF 50V J   R1384   NRSA63J-470X   MG RESISTOR   470Ω 11/6W J   C3504   NDC31H-1-150X   C CAPACITOR   15pF 50V J   R1385   NRSA63J-470X   MG RESISTOR   470Ω 11/6W J   C3506   NCF31CZ-104X   C CAPACITOR   15pF 50V J   R1385   NRSA63J-470X   MG RESISTOR   470Ω 11/6W J   C3506   NDC31H-1-101X   C CAPACITOR   0.1uF 16V Z   R1392   NRSA63J-470X   MG RESISTOR   470Ω 11/6W J   C3509   NDC31H-1-110X   C CAPACITOR   100pF 50V J   R1395   NRSA63J-470X   MG RESISTOR   470Ω 11/6W J   C3509   NDC31H-1-150X   C CAPACITOR   100pF 50V J   R1401   NRSA63J-80X   MG RESISTOR   00 11/6W J   C3510   NDC31H-1-150X   C CAPACITOR   100pF 50V J   R1401   NRSA63J-80X   MG RESISTOR   00 11/6W J   C3510   NDC31H-1-150X   C CAPACITOR   100pF 50V J   R1402   NRSA63J-80X   MG RESISTOR   00 11/6W J   C3513   NCF31CZ-104X   C CAPACITOR   10pF 50V J   R1402   NRSA63J-80X   MG RESISTOR   00 11/6W J   C3513   NCF31CZ-104X   C CAPACITOR   10pF 50V J   R1402   NRSA63J-80X   MG RESISTOR   00 11/6W J   C3514   NDC31H-1-150X   C CAPACITOR   10pF 50V J   R1402   NRSA63J-80X   MG RESISTOR   100 11/6W J	C3079	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R1286	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3086   NCB31HK-152X   C CAPACITOR   1500pF 50V K   R130Z   NRSA63J-101X   MG RESISTOR   100Ω 11/6W J   C3089   NDC31H-1010X   C CAPACITOR   10pF 50V J   R1347   NRSA63J-750X   MG RESISTOR   75Ω 11/6W J   C3090   NDC31H-1010X   C CAPACITOR   10pF 50V J   R1347   NRSA63J-750X   MG RESISTOR   75Ω 11/6W J   C3090   NDC31H-1010X   C CAPACITOR   4700pF 50V K   R1372   NRSA63J-101X   MG RESISTOR   100Ω 11/6W J   C3090   NCB31HK-472X   C CAPACITOR   4700pF 50V K   R1374   NRSA63J-471X   MG RESISTOR   470Ω 11/6W J   C3501   NCB31HK-472X   C CAPACITOR   4700pF 50V K   R1375   NRSA63J-471X   MG RESISTOR   470Ω 11/6W J   C3501   NCB31HK-472X   C CAPACITOR   0.1uF 16V Z   R1378   NRSA63J-470X   MG RESISTOR   4701 11/6W J   C3502   NDC31H-1-121X   C CAPACITOR   100pF 50V J   R1382   NRSA63J-470X   MG RESISTOR   00Ω 11/6W J   C3502   NDC31H-1-121X   C CAPACITOR   100pF 50V J   R1384   NRSA63J-471X   MG RESISTOR   470Ω 11/6W J   C3504   NDC31H-1-150X   C CAPACITOR   15pF 50V J   R1384   NRSA63J-470X   MG RESISTOR   470Ω 11/6W J   C3504   NDC31H-1-150X   C CAPACITOR   15pF 50V J   R1385   NRSA63J-470X   MG RESISTOR   470Ω 11/6W J   C3506   NCF31CZ-104X   C CAPACITOR   15pF 50V J   R1385   NRSA63J-470X   MG RESISTOR   470Ω 11/6W J   C3506   NDC31H-1-101X   C CAPACITOR   0.1uF 16V Z   R1392   NRSA63J-470X   MG RESISTOR   470Ω 11/6W J   C3509   NDC31H-1-110X   C CAPACITOR   100pF 50V J   R1395   NRSA63J-470X   MG RESISTOR   470Ω 11/6W J   C3509   NDC31H-1-150X   C CAPACITOR   100pF 50V J   R1401   NRSA63J-80X   MG RESISTOR   00 11/6W J   C3510   NDC31H-1-150X   C CAPACITOR   100pF 50V J   R1401   NRSA63J-80X   MG RESISTOR   00 11/6W J   C3510   NDC31H-1-150X   C CAPACITOR   100pF 50V J   R1402   NRSA63J-80X   MG RESISTOR   00 11/6W J   C3513   NCF31CZ-104X   C CAPACITOR   10pF 50V J   R1402   NRSA63J-80X   MG RESISTOR   00 11/6W J   C3513   NCF31CZ-104X   C CAPACITOR   10pF 50V J   R1402   NRSA63J-80X   MG RESISTOR   00 11/6W J   C3514   NDC31H-1-150X   C CAPACITOR   10pF 50V J   R1402   NRSA63J-80X   MG RESISTOR   100 11/6W J	C3080				R1287			
C3099   NDC31HL-100X   C CAPACITOR   10pF 50V J   R1372   NRSA63J-101X   MG RESISTOR   100Ω 11/16W J   C3099   NDC31HL-100X   C CAPACITOR   4700pF 50V K   R1372   NRSA63J-101X   MG RESISTOR   470Ω 11/16W J   C3100   NDC31HK-472X   C CAPACITOR   4700pF 50V K   R1374   NRSA63J-471X   MG RESISTOR   470Ω 11/16W J   C3100   NCB31HK-472X   C CAPACITOR   4700pF 50V K   R1375   NRSA63J-471X   MG RESISTOR   470Ω 11/16W J   C3501   NCF31C2-104X   C CAPACITOR   0.1uF 16V Z   R1378   NRSA63J-471X   MG RESISTOR   470Ω 11/16W J   C3502   NDC31HJ-101X   C CAPACITOR   100pF 50V J   R1382   NRSA63J-101X   MG RESISTOR   0.0Ω 11/16W J   C3503   NDC31HJ-121X   C CAPACITOR   120pF 50V J   R1384   NRSA63J-471X   MG RESISTOR   470Ω 11/16W J   C3504   NDC31HJ-150X   C CAPACITOR   15pF 50V J   R1384   NRSA63J-471X   MG RESISTOR   470Ω 11/16W J   C3506   NDC31HJ-150X   C CAPACITOR   4.7uF 16V Z   R1392   NRSA63J-101X   MG RESISTOR   470Ω 11/16W J   C3506   NDC31HJ-101X   C CAPACITOR   4.7uF 16V Z   R1392   NRSA63J-101X   MG RESISTOR   470Ω 11/16W J   C3508   NDC31HJ-101X   C CAPACITOR   0.1uF 16V Z   R1392   NRSA63J-471X   MG RESISTOR   470Ω 11/16W J   C3508   NDC31HJ-101X   C CAPACITOR   100pF 50V J   R1395   NRSA63J-470X   MG RESISTOR   470Ω 11/16W J   C3509   NDC31HJ-121X   C CAPACITOR   100pF 50V J   R1401   NRSA63J-470X   MG RESISTOR   470Ω 11/16W J   C3510   NDC31HJ-121X   C CAPACITOR   100pF 50V J   R1401   NRSA63J-0R0X   MG RESISTOR   0.0Ω 11/16W J   C3513   NCF31CZ-104X   C CAPACITOR   15pF 50V J   R1401   NRSA63J-0R0X   MG RESISTOR   0.0Ω 11/16W J   C3513   NCF31CZ-104X   C CAPACITOR   15pF 50V J   R1402   NRSA63J-101X   MG RESISTOR   0.0Ω 11/16W J   C3513   NCF31CZ-104X   C CAPACITOR   15pF 50V J   R1402   NRSA63J-101X   MG RESISTOR   0.0Ω 11/16W J   C3513   NCF31CZ-104X   C CAPACITOR   15pF 50V J   R1402   NRSA63J-101X   MG RESISTOR   0.0Ω 11/16W J   C3513   NCF31CZ-104X   C CAPACITOR   15pF 50V J   R1501   NRSA63J-101X   MG RESISTOR   0.0Ω 11/16W J   C3516   NDC31HJ-150X   C CAPACITOR   10pF 50V J   R1502   NRSA63J-101X	C3086	NCB31HK-152X	C CAPACITOR	1500pF 50V K	R1302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3990   NDC31HJ-100X   C CAPACITOR   10pF 50V J   R1372   NRSA63J-101X   MG RESISTOR   100Ω-1/16W J   C3100   NCB31HK-472X   C CAPACITOR   4700pF 50V K   R1374   NRSA63J-470X   MG RESISTOR   47Ω 1/16W J   C3501   NCF31CZ-104X   C CAPACITOR   0.1uF 16V Z   R1378   NRSA63J-470X   MG RESISTOR   0Ω 1/16W J   C3501   NCF31CZ-104X   C CAPACITOR   0.1uF 16V Z   R1378   NRSA63J-100X   MG RESISTOR   0Ω 1/16W J   C3503   NDC31HJ-101X   C CAPACITOR   100pF 50V J   R1382   NRSA63J-101X   MG RESISTOR   47Ω 1/16W J   C3503   NDC31HJ-121X   C CAPACITOR   120pF 50V J   R1384   NRSA63J-471X   MG RESISTOR   47Ω 1/16W J   C3504   NDC31HJ-150X   C CAPACITOR   12pF 50V J   R1385   NRSA63J-471X   MG RESISTOR   47Ω 1/16W J   C3506   NDC31HJ-150X   C CAPACITOR   4.7uF 16V Z   R1394   NRSA63J-471X   MG RESISTOR   47Ω 1/16W J   C3506   NDC31HJ-101X   C CAPACITOR   4.7uF 16V Z   R1394   NRSA63J-471X   MG RESISTOR   47Ω 1/16W J   C3507   NCF31CZ-104X   C CAPACITOR   0.1uF 16V Z   R1394   NRSA63J-471X   MG RESISTOR   47Ω 1/16W J   C3509   NDC31HJ-101X   C CAPACITOR   10pF 50V J   R1401   NRSA63J-470X   MG RESISTOR   47Ω 1/16W J   C3509   NDC31HJ-121X   C CAPACITOR   120pF 50V J   R1401   NRSA63J-0R0X   MG RESISTOR   0Ω 1/16W J   C3512   NDC31HJ-150X   C CAPACITOR   12pF 50V J   R1401   NRSA63J-0R0X   MG RESISTOR   0Ω 1/16W J   C3512   NDC31HJ-150X   C CAPACITOR   4.7uF 16V Z   R1421   NRSA63J-0R0X   MG RESISTOR   0Ω 1/16W J   C3513   NCF31CZ-104X   C CAPACITOR   4.7uF 16V Z   R1422   NRSA63J-100X   MG RESISTOR   68kΩ 1/16W J   C3513   NDC31HJ-150X   C CAPACITOR   4.7uF 16V Z   R1422   NRSA63J-100X   MG RESISTOR   68kΩ 1/16W J   C3515   NDC31HJ-150X   C CAPACITOR   12pF 50V J   R1401   NRSA63J-100X   MG RESISTOR   100Ω 1/16W J   C3516   NDC31HJ-150X   C CAPACITOR   12pF 50V J   R1501   NRSA63J-100X   MG RESISTOR   100Ω 1/16W J   C3518   NDC31HJ-150X   C CAPACITOR   12pF 50V J   R1501   NRSA63J-100X   MG RESISTOR   100Ω 1/16W J   C3518   NDC31HJ-150X   C CAPACITOR   12pF 50V J   R1501   NRSA63J-100X   MG RESISTOR   100Ω 1/16W J   C3518	C3088			10pF 50V J			MG RESISTOR	
C3100   NCB31HK-472X   C CAPACITOR   4700/pF 50V K   R1375   NRSA63J-470X   MG RESISTOR   470 1/16W J   C3502   NDC31HJ-101X   C CAPACITOR   0.1 uF 16V Z   R1378   NRSA63J-0R0X   MG RESISTOR   0.0 1/16W J   C3503   NDC31HJ-121X   C CAPACITOR   100pF 50V J   R1384   NRSA63J-471X   MG RESISTOR   4700 1/16W J   C3504   NDC31HJ-121X   C CAPACITOR   120pF 50V J   R1384   NRSA63J-471X   MG RESISTOR   4700 1/16W J   C3506   NDC31HJ-121X   C CAPACITOR   15pF 50V J   R1384   NRSA63J-471X   MG RESISTOR   4700 1/16W J   C3506   NDC31HJ-150X   C CAPACITOR   4.7 uF 16V Z   R1392   NRSA63J-471X   MG RESISTOR   4700 1/16W J   C3507   NDC31HJ-101X   C CAPACITOR   0.1 uF 16V Z   R1394   NRSA63J-471X   MG RESISTOR   1000 1/16W J   C3507   NDC31HJ-101X   C CAPACITOR   0.1 uF 16V Z   R1394   NRSA63J-471X   MG RESISTOR   4700 1/16W J   C3509   NDC31HJ-101X   C CAPACITOR   100pF 50V J   R1401   NRSA63J-0R0X   MG RESISTOR   4700 1/16W J   C3509   NDC31HJ-150X   C CAPACITOR   120pF 50V J   R1401   NRSA63J-0R0X   MG RESISTOR   0.0 1/16W J   C3512   NDC31HJ-150X   C CAPACITOR   120pF 50V J   R1401   NRSA63J-0R0X   MG RESISTOR   0.0 1/16W J   C3512   NDC31HJ-101X   C CAPACITOR   4.7 uF 16V Z   R1421   NRSA63J-83X   MG RESISTOR   68k0 1/16W J   C3513   NDC31HJ-101X   C CAPACITOR   0.1 uF 16V Z   R1422   NRSA63J-83X   MG RESISTOR   68k0 1/16W J   C3514   NDC31HJ-101X   C CAPACITOR   0.1 uF 16V Z   R1422   NRSA63J-101X   MG RESISTOR   68k0 1/16W J   C3515   NDC31HJ-101X   C CAPACITOR   0.10pF 50V J   R1501   NRSA63J-100X   MG RESISTOR   0.0 1/16W J   C3516   NDC31HJ-101X   C CAPACITOR   120pF 50V J   R1501   NRSA63J-100X   MG RESISTOR   0.0 1/16W J   C3516   NDC31HJ-16X   C CAPACITOR   120pF 50V J   R1501   NRSA63J-100X   MG RESISTOR   0.0 1/16W J   C3518   NDC31HJ-16X   C CAPACITOR   120pF 50V J   R1502   NRSA63J-100X   MG RESISTOR   0.0 1/16W J   C3518   NDC31HJ-16X   C CAPACITOR   33uF 16V M   R1511   NRSA63J-100X   MG RESISTOR   0.0 1/16W J   C3518   NDC31HJ-16X   C CAPACITOR   33uF 16V M   R1511   NRSA63J-0R0X   MG RESISTOR   0.0 1/	C3090	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R1372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3501   NCF31CZ-104X   C CAPACITOR   0.1uF 16V Z   R1378   NRSA63J-0R0X   MG RESISTOR   0.0.11/16W J   C3503   NDC31HJ-121X   C CAPACITOR   100pF 50V J   R1382   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   C3504   NDC31HJ-150X   C CAPACITOR   120pF 50V J   R1385   NRSA63J-470X   MG RESISTOR   47Ω 1/16W J   C3506   NDC31HJ-150X   C CAPACITOR   15pF 50V J   R1385   NRSA63J-470X   MG RESISTOR   47Ω 1/16W J   C3506   NCF11CZ-475X   C CAPACITOR   0.1uF 16V Z   R1392   NRSA63J-101X   MG RESISTOR   47Ω 1/16W J   C3507   NCF31CZ-104X   C CAPACITOR   0.1uF 16V Z   R1394   NRSA63J-471X   MG RESISTOR   47Ω 1/16W J   C3508   NDC31HJ-101X   C CAPACITOR   100pF 50V J   R1395   NRSA63J-470X   MG RESISTOR   47Ω 1/16W J   C3509   NDC31HJ-121X   C CAPACITOR   100pF 50V J   R1401   NRSA63J-0R0X   MG RESISTOR   47Ω 1/16W J   C3510   NDC31HJ-121X   C CAPACITOR   120pF 50V J   R1402   NRSA63J-0R0X   MG RESISTOR   0.0.11/16W J   C3510   NDC31HJ-150X   C CAPACITOR   120pF 50V J   R1402   NRSA63J-0R0X   MG RESISTOR   0.0.11/16W J   C3512   NCF11CZ-475X   C CAPACITOR   4.7uF 16V Z   R1421   NRSA63J-883X   MG RESISTOR   68\(\alpha\) 1/16W J   C3514   NDC31HJ-101X   C CAPACITOR   0.1uF 16V Z   R1422   NRSA63J-101X   MG RESISTOR   68\(\alpha\) 1/16W J   C3514   NDC31HJ-121X   C CAPACITOR   100pF 50V J   R1423   NRSA63J-101X   MG RESISTOR   3.3\(\alpha\) 1/16W J   C3516   NDC31HJ-121X   C CAPACITOR   120pF 50V J   R1423   NRSA63J-100X   MG RESISTOR   3.3\(\alpha\) 1/16W J   C3516   NDC31HJ-150X   C CAPACITOR   150pF 50V J   R1501   NRSA63J-100X   MG RESISTOR   3.3\(\alpha\) 1/16W J   C3516   NDC31HJ-121X   C CAPACITOR   150pF 50V J   R1501   NRSA63J-100X   MG RESISTOR   10\(\alpha\) 1/16W J   C3518   NCF10CZ-475X   C CAPACITOR   150pF 50V J   R1501   NRSA63J-100X   MG RESISTOR   10\(\alpha\) 1/16W J   C3518   NCF10CZ-475X   C CAPACITOR   150pF 50V J   R1502   NRSA63J-100X   MG RESISTOR   10\(\alpha\) 1/16W J   C3518   NCF10CZ-475X   C CAPACITOR   150pF 50V J   R1501   NRSA63J-00X   MG RESISTOR   10\(\alpha\) 1/16W J   C3520   QENC1CHM-33	C3099 C3100					NRSA63J-471X NRSA63J-470X	MG RESISTOR	
C3503         NDC31HJ-121X         C CAPACITOR         120pF 50V J         R1384         NRSA63J-471X         MG RESISTOR         470Ω 1/16W J           C3504         NDC31HJ-150X         C CAPACITOR         15pF 50V J         R1392         NRSA63J-470X         MG RESISTOR         47Ω 1/16W J           C3506         NCF11CZ-475X         C CAPACITOR         4.7uF 16V Z         R1392         NRSA63J-471X         MG RESISTOR         470Ω 1/16W J           C3508         NDC31HJ-101X         C CAPACITOR         10uF 50V J         R1395         NRSA63J-471X         MG RESISTOR         470Ω 1/16W J           C3509         NDC31HJ-121X         C CAPACITOR         10uF 50V J         R1401         NRSA63J-470X         MG RESISTOR         47Ω 1/16W J           C3510         NDC31HJ-121X         C CAPACITOR         120pF 50V J         R1401         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C3512         NCF110CZ-475X         C CAPACITOR         15pF 50V J         R1402         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C3513         NCF310CZ-404X         C CAPACITOR         1.5pF 50V J         R1402         NRSA63J-302X         MG RESISTOR         100Ω 1/16W J           C3516         NDC31HJ-150X         C CAPACITOR         10uF 50V J </td <td>C3501</td> <td>NCF31CZ-104X</td> <td>C CAPACITOR</td> <td>0.1uF 16V Z</td> <td>R1378</td> <td>NRSA63J-0R0X</td> <td>MG RESISTOR</td> <td>0Ω 1/16W J</td>	C3501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1378	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3504         NDC31HJ-150X         C CAPACITOR         15pF 50V J         R1385         NRSA63J-470X         MG RESISTOR         47Ω 1/16W J           C3506         NCF11CZ-475X         C CAPACITOR         4.7uF 16V Z         R1394         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           C3507         NCF31CZ-104X         C CAPACITOR         0.1uF 16V Z         R1394         NRSA63J-470X         MG RESISTOR         47Ω 1/16W J           C3508         NDC31HJ-101X         C CAPACITOR         100pF 50V J         R1395         NRSA63J-470X         MG RESISTOR         47Ω 1/16W J           C3510         NDC31HJ-150X         C CAPACITOR         15pF 50V J         R1401         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C3512         NCF11CZ-475X         C CAPACITOR         15pF 50V J         R1402         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C3512         NCF31CZ-104X         C CAPACITOR         15pF 50V J         R1421         NRSA63J-101X         MG RESISTOR         68Ω 1/16W J           C3513         NCF31CZ-475X         C CAPACITOR         100pF 50V J         R1422         NRSA63J-301X         MG RESISTOR         68Ω 1/16W J           C3514         NDC31HJ-121X         C CAPACITOR         100pF 50V J	C3502 C3503							
C3507         NCF31CZ-104X         C CAPACITOR         0.1uF 16V Z         R1394         NRSA63J-471X         MG RESISTOR         470Ω 1/16W J           C3508         NDC31HJ-101X         C CAPACITOR         100pF 50V J         R1395         NRSA63J-470X         MG RESISTOR         47Ω 1/16W J           C3509         NDC31HJ-150X         C CAPACITOR         120pF 50V J         R1401         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C3510         NDC31HJ-150X         C CAPACITOR         15pF 50V J         R1402         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C3512         NCF31CZ-104X         C CAPACITOR         4.7uF 16V Z         R1421         NRSA63J-683X         MG RESISTOR         68kΩ 1/16W J           C3513         NCF31CZ-104X         C CAPACITOR         0.1uF 16V Z         R1422         NRSA63J-101X         MG RESISTOR         68kΩ 1/16W J           C3514         NDC31HJ-101X         C CAPACITOR         100pF 50V J         R1423         NRSA63J-332X         MG RESISTOR         3.3kΩ 1/16W J           C3515         NDC31HJ-121X         C CAPACITOR         120pF 50V J         R1501         NRSA63J-100X         MG RESISTOR         10Ω 1/16W J           C3516         NDC31HJ-150X         C CAPACITOR         15pF 50V J	C3504	NDC31HJ-150X	C CAPACITOR	15pF 50V J	R1385	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C3508         NDC31HJ-101X         C CAPACITOR         100pF 50V J         R1395         NRSA63J-470X         MG RESISTOR         470 1/16W J           C3509         NDC31HJ-121X         C CAPACITOR         120pF 50V J         R1401         NRSA63J-0R0X         MG RESISTOR         00 1/16W J           C3510         NDC31HJ-150X         C CAPACITOR         15pF 50V J         R1402         NRSA63J-0R0X         MG RESISTOR         00 1/16W J           C3512         NCF11CZ-475X         C CAPACITOR         4.7uF 16V Z         R1421         NRSA63J-683X         MG RESISTOR         68kΩ 1/16W J           C3513         NCF31CZ-104X         C CAPACITOR         0.1uF 16V Z         R1422         NRSA63J-101X         MG RESISTOR         1000 1/16W J           C3514         NDC31HJ-101X         C CAPACITOR         100pF 50V J         R1423         NRSA63J-300X         MG RESISTOR         3.3kΩ 1/16W J           C3515         NDC31HJ-150X         C CAPACITOR         120pF 50V J         R1501         NRSA63J-100X         MG RESISTOR         1001 1/16W J           C3516         NDC31HJ-150X         C CAPACITOR         15pF 50V J         R1501         NRSA63J-100X         MG RESISTOR         100 1/16W J           C3518         NCF11CZ-475X         C CAPACITOR         15pF 50V J<	C3506 C3507						MG RESISTOR MG RESISTOR	
C3510         NDC31HJ-150X         C CAPACITOR         15pF 50V J         R1402         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C3512         NCF11CZ-475X         C CAPACITOR         4.7uF 16V Z         R1421         NRSA63J-101X         MG RESISTOR         68kΩ 1/16W J           C3513         NCF31CZ-104X         C CAPACITOR         0.1uF 16V Z         R1422         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           C3514         NDC31HJ-101X         C CAPACITOR         10pF 50V J         R1423         NRSA63J-332X         MG RESISTOR         3.3kΩ 1/16W J           C3515         NDC31HJ-121X         C CAPACITOR         120pF 50V J         R1501         NRSA63J-100X         MG RESISTOR         10Ω 1/16W J           C3516         NDC31HJ-150X         C C CAPACITOR         15pF 50V J         R1501         NRSA63J-100X         MG RESISTOR         10Ω 1/16W J           C3518         NCF11CZ-475X         C C CAPACITOR         15pF 50V J         R1502         NRSA63J-100X         MG RESISTOR         10Ω 1/16W J           C3519         QENC1CM-336Z         BP E CAPACITOR         33uF 16V M         R1511         NRSA63J-102X         MG RESISTOR         10Ω 1/16W J           C3520         QENC1CM-336Z         BP E CAPACITOR         33uF	C3508	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R1395	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C3512         NCF11CZ-475X         C CAPACITOR         4.7 μ F 16 V Z         R1421         NRSA63J-683X         MG RESISTOR         68kΩ 1/16W J           C3513         NCF31CZ-104X         C CAPACITOR         0.1 μ F 16 V Z         R1422         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           C3514         NDC31HJ-101X         C CAPACITOR         100pF 50V J         R1423         NRSA63J-332X         MG RESISTOR         3.3 kΩ 1/16W J           C3515         NDC31HJ-121X         C CAPACITOR         120pF 50V J         R1501         NRSA63J-100X         MG RESISTOR         10Ω 1/16W J           C3516         NDC31HJ-150X         C CAPACITOR         15pF 50V J         R1502         NRSA63J-100X         MG RESISTOR         10Ω 1/16W J           C3518         NCF11CZ-475X         C CAPACITOR         4.7 μ F 16V Z         R1505         NRSA63J-100X         MG RESISTOR         1kΩ 1/16W J           C3519         QENC1CM-336Z         BP E CAPACITOR         33uF 16V M         R1511         NRSA63J-332X         MG RESISTOR         3.3 kΩ 1/16W J           C3520         QENC1CM-336Z         BP E CAPACITOR         33uF 16V M         R1513         NRSA63J-101X         MG RESISTOR         10Ω 1/16W J           C3521         QENC1HM-106Z         BP E CAPACITOR	C3509 C3510					NRSA63J-0R0X NRSA63J-0R0X		
C3514         NDC31HJ-101X         C CAPACITOR         100pf 50V J         R1423         NRSA63J-332X         MG RESISTOR         3.3kΩ 1/16W J           C3515         NDC31HJ-121X         C CAPACITOR         120pf 50V J         R1501         NRSA63J-100X         MG RESISTOR         10Ω 1/16W J           C3516         NDC31HJ-150X         C CAPACITOR         15pf 50V J         R1502         NRSA63J-100X         MG RESISTOR         10Ω 1/16W J           C3518         NCF11CZ-475X         C CAPACITOR         4.7uF 16V Z         R1505         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J           C3519         QENC1CM-336Z         BP E CAPACITOR         33uF 16V M         R1511         NRSA63J-332X         MG RESISTOR         3.3kΩ 1/16W J           C3520         QENC1CM-336Z         BP E CAPACITOR         33uF 16V M         R1513         NRSA63J-32XX         MG RESISTOR         100Ω 1/16W J           C3521         QENC1HM-106Z         BP E CAPACITOR         33uF 16V M         R1513         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J           C6001         QENC1HM-106Z         BP E CAPACITOR         10uF 50V M         R1515         NRSA63J-102X         MG RESISTOR         0Ω 1/16W J           C6002         QENC1HM-106Z         BP E CAPACITOR <t< td=""><td>C3512</td><td>NCF11CZ-475X</td><td>C CAPACITOR</td><td>4.7uF 16V Z</td><td>R1421</td><td>NRSA63J-683X</td><td>MG RESISTOR</td><td>68kΩ 1/16W J</td></t<>	C3512	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R1421	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
C3515         NDC31HJ-121X         C CAPACITOR         120pF 50V J         R1501         NRSA63J-100X         MG RESISTOR         10Ω 1/16W J           C3516         NDC31HJ-150X         C CAPACITOR         15pF 50V J         R1502         NRSA63J-100X         MG RESISTOR         10Ω 1/16W J           C3518         NCF11CZ-475X         C CAPACITOR         4.7 μF 16V Z         R1505         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J           C3519         QENC1CM-336Z         BP E CAPACITOR         33uF 16V M         R1511         NRSA63J-332X         MG RESISTOR         3.3kΩ 1/16W J           C3520         QENC1CM-336Z         BP E CAPACITOR         33uF 16V M         R1513         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           C3521         QENC1HM-106Z         BP E CAPACITOR         33uF 16V M         R1514         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J           C6001         QENC1HM-106Z         BP E CAPACITOR         10uF 50V M         R1515         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C6002         QENC1HM-106Z         BP E CAPACITOR         10uF 50V M         R1516         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C6003         QETN11HM-106Z         E CAPACITOR							MG RESISTOR MG RESISTOR	
C3518 NCF11CZ-475X C CAPACITOR 4.7uF 16V Z R1505 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J C3519 QENC1CM-336Z BP E CAPACITOR 33uF 16V M R1511 NRSA63J-332X MG RESISTOR 3.3kΩ 1/16W J C3520 QENC1CM-336Z BP E CAPACITOR 33uF 16V M R1513 NRSA63J-101X MG RESISTOR 100Ω 1/16W J C3521 QENC1CM-336Z BP E CAPACITOR 33uF 16V M R1514 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J C6001 QENC1HM-106Z BP E CAPACITOR 10uF 50V M R1515 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6002 QENC1HM-106Z BP E CAPACITOR 10uF 50V M R1516 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6003 QETN1HM-106Z BP E CAPACITOR 10uF 50V M R1516 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6004 QETN1HM-106Z E CAPACITOR 10uF 50V M R1517 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6005 NCB31HK-472X C CAPACITOR 10uF 50V M R1518 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6005 NCB31HK-472X C CAPACITOR 4700pF 50V K R1519 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6006 NCB31CK-273X C CAPACITOR 0.027uF 16V K R1520 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6007 QETN1HM-106Z E CAPACITOR 10uF 50V M R1522 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6008 QETN1HM-105Z E CAPACITOR 1uF 50V M R1522 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523 NRSA63J-221X MG RESISTOR 6.8kΩ 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523 NRSA63J-221X MG RESISTOR 6.8kΩ 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523 NRSA63J-221X MG RESISTOR 6.8kΩ 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523 NRSA63J-221X MG RESISTOR 6.8kΩ 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523 NRSA63J-221X MG RESISTOR 6.8kΩ 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523 NRSA63J-221X MG RESISTOR 6.8kΩ 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523 NRSA63J-221X MG RESISTOR 6.8kΩ 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523 NRSA63J-221X MG RESISTOR 6.8kΩ 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523 NRSA63J-221X MG RESISTOR 6.8kΩ 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523 NRSA63J-221X MG RESISTOR 6.8kΩ 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523	C3515	NDC31HJ-121X	C CAPACITOR		R1501	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C3519 QENC1CM-336Z BP E CAPACITOR 33uF 16V M R1511 NRSA63J-332X MG RESISTOR 3.3kΩ 1/16W J C3520 QENC1CM-336Z BP E CAPACITOR 33uF 16V M R1513 NRSA63J-101X MG RESISTOR 100Ω 1/16W J C3521 QENC1CM-336Z BP E CAPACITOR 33uF 16V M R1514 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J C6001 QENC1HM-106Z BP E CAPACITOR 10uF 50V M R1515 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6002 QENC1HM-106Z BP E CAPACITOR 10uF 50V M R1516 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6003 QETN1HM-106Z E CAPACITOR 10uF 50V M R1516 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6004 QETN1HM-106Z E CAPACITOR 10uF 50V M R1518 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6005 NCB31HK-472X C CAPACITOR 10uF 50V M R1518 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6006 NCB31CK-273X C CAPACITOR 4700pF 50V K R1519 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6006 NCB31CK-273X C CAPACITOR 0.027uF 16V K R1520 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6008 QETN1HM-106Z E CAPACITOR 10uF 50V M R1521 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6008 QETN1HM-105Z E CAPACITOR 10uF 50V M R1522 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523 NRSA63J-221X MG RESISTOR 6.8kΩ 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523 NRSA63J-882X MG RESISTOR 6.8kΩ 1/16W J C6009 QETN1CM-107Z E CAPACITOR 10uF 60V M R1523 NRSA63J-882X MG RESISTOR 6.8kΩ 1/16W J C6009	C3516 C3518		C CAPACITOR C CAPACITOR	4.7uF 16V Z				
C3521 QENC1CM-336Z BP E CAPACITOR 33uF 16V M R1514 NRSA63J-102X MG RESISTOR 0Ω 1/16W J C6001 QENC1HM-106Z BP E CAPACITOR 10uF 50V M R1515 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6002 QENC1HM-106Z BP E CAPACITOR 10uF 50V M R1516 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6003 QETN1HM-106Z E CAPACITOR 10uF 50V M R1517 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6004 QETN1HM-106Z E CAPACITOR 10uF 50V M R1518 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6005 NCB31HK-472X C CAPACITOR 4700pF 50V K R1519 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J C6006 NCB31CK-273X C CAPACITOR 0.027uF 16V K R1520 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6007 QETN1HM-106Z E CAPACITOR 10uF 50V M R1521 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6008 QETN1HM-105Z E CAPACITOR 10uF 50V M R1522 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6009 QETN1CM-107Z E CAPACITOR 100uF 16V M R1523 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6009 QETN1CM-107Z E CAPACITOR 100uF 16V M R1523 NRSA63J-262X MG RESISTOR 6.8kΩ 1/16W J	C3519							
C6002         QENC1HM-106Z         BP E CAPACITOR         10uF 50V M         R1516         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C6003         QETN1HM-106Z         E CAPACITOR         10uF 50V M         R1517         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C6004         QETN1HM-106Z         E CAPACITOR         10uF 50V M         R1518         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C6005         NCB31HK-472X         C CAPACITOR         4700pF 50V K         R1519         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C6006         NCB31CK-273X         C CAPACITOR         0.027uF 16V K         R1520         NRSA63J-221X         MG RESISTOR         220Ω 1/16W J           C6007         QETN1HM-106Z         E CAPACITOR         10uF 50V M         R1521         NRSA63J-221X         MG RESISTOR         220Ω 1/16W J           C6008         QETN1HM-105Z         E CAPACITOR         1uF 50V M         R1522         NRSA63J-221X         MG RESISTOR         220Ω 1/16W J           C6009         QETN1CM-107Z         E CAPACITOR         100uF 16V M         R1523         NRSA63J-882X         MG RESISTOR         6.8kΩ 1/16W J								
C6003         QETN1HM-106Z         E CAPACITOR         10uF 50V M         R1517         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C6004         QETN1HM-106Z         E CAPACITOR         10uF 50V M         R1518         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C6005         NCB31HK-472X         C CAPACITOR         4700pF 50V K         R1519         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C6006         NCB31CK-273X         C CAPACITOR         0.027uF 16V K         R1520         NRSA63J-221X         MG RESISTOR         220Ω 1/16W J           C6007         QETN1HM-106Z         E CAPACITOR         10uF 50V M         R1521         NRSA63J-221X         MG RESISTOR         220Ω 1/16W J           C6008         QETN1HM-105Z         E CAPACITOR         1uF 50V M         R1522         NRSA63J-221X         MG RESISTOR         220Ω 1/16W J           C6009         QETN1CM-107Z         E CAPACITOR         100uF 16V M         R1523         NRSA63J-682X         MG RESISTOR         6.8kΩ 1/16W J	C6001	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	R1515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6004         QETN1HM-106Z         E CAPACITOR         10uF 50V M         R1518         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C6005         NCB31HK-472X         C CAPACITOR         4700pF 50V K         R1519         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           C6006         NCB31CK-273X         C CAPACITOR         0.027uF 16V K         R1520         NRSA63J-221X         MG RESISTOR         220Ω 1/16W J           C6007         QETN1HM-106Z         E CAPACITOR         10uF 50V M         R1521         NRSA63J-221X         MG RESISTOR         220Ω 1/16W J           C6008         QETN1HM-105Z         E CAPACITOR         1uF 50V M         R1522         NRSA63J-221X         MG RESISTOR         220Ω 1/16W J           C6009         QETN1CM-107Z         E CAPACITOR         100uF 16V M         R1523         NRSA63J-862X         MG RESISTOR         6.8kΩ 1/16W J	C6003							
C6006 NCB31CK-273X C CAPACITOR 0.027uF 16V K R1520 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6007 QETN1HM-106Z E CAPACITOR 10uF 50V M R1521 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6008 QETN1HM-105Z E CAPACITOR 1uF 50V M R1522 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6009 QETN1CM-107Z E CAPACITOR 100uF 16V M R1523 NRSA63J-862X MG RESISTOR 6.8kΩ 1/16W J	C6004	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R1518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6007 QETN1HM-106Z E CAPACITOR 10uF 50V M R1521 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6008 QETN1HM-105Z E CAPACITOR 1uF 50V M R1522 NRSA63J-221X MG RESISTOR 220Ω 1/16W J C6009 QETN1CM-107Z E CAPACITOR 100uF 16V M R1523 NRSA63J-682X MG RESISTOR 6.8kΩ 1/16W J			C CAPACITOR C CAPACITOR				MG RESISTOR	
C6009 QETN1CM-107Z E CAPACITOR 100uF 16V M R1523 NRSA63J-682X MG RESISTOR 6.8kΩ 1/16W J	C6007	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R1521	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
	C6009	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R1523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
	C6010	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R1524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
R1525 R1526	NRSA63J-682X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 6.8kΩ 1/16W J	R1971 R1975	QRT039J-R68	MF RESISTOR MG RESISTOR	0.68Ω 3W J
R1527	NRSA63J-682X NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1978	NRSA63J-102X NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J
R1528 R1529	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J	<b>∆</b> R1981 R1982	QRK126J-181X NRSA63D-222X	UNF C RESISTOR MG RESISTOR	180Ω 1/2W J 2.2kΩ 1/16W D
R1530	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R1983	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
R1533 R1534	NRSA63J-221X NRSA63J-682X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 6.8kΩ 1/16W J	R1984 R1985	NRSA63J-183X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	18kΩ 1/16W J 0Ω 1/16W J
R1535	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	<b></b> ∆R1986	QRK126J-331X	UNF C RESISTOR	330Ω 1/2W J
R1536 R1537	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J	R1991 R1992	NRSA63J-471X NRSA63J-182X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 1.8kΩ 1/16W J
R1538	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R2102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1539 R1560	NRSA63J-682X NRSA63J-101X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 100Ω 1/16W J	R2103 R2104	NRSA63J-750X NRSA63J-750X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 75Ω 1/16W J
R1562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R2105	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1571 R1577	NRSA63J-0R0X NRSA63J-221X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 220Ω 1/16W J	R2106 R2122	NRSA63J-224X NRSA63J-750X	MG RESISTOR MG RESISTOR	220kΩ 1/16W J 75Ω 1/16W J
R1578	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R2123	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1579 R1611	NRSA63J-221X NRSA63J-563X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 56kΩ 1/16W J	R2125 R2126	NRSA63J-750X NRSA63J-224X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 220kΩ 1/16W J
R1612	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R2127	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1613 R1614	NRSA63J-102X NRSA63J-104X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 100kΩ 1/16W J	R2144 R2145	NRSA63J-750X NRSA63J-224X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 220kΩ 1/16W J
R1615 R1616	NRSA63J-563X NRSA63J-153X	MG RESISTOR MG RESISTOR	56kΩ 1/16W J 15kΩ 1/16W J	R2146 R2305	NRSA63J-224X NRSA63J-750X	MG RESISTOR MG RESISTOR	220kΩ 1/16W J 75Ω 1/16W J
R1641	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R2308	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1642 R1643	NRSA63J-223X NRSA63J-223X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 22kΩ 1/16W J	R2325 R2328	NRSA63J-750X NRSA63J-750X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 75Ω 1/16W J
R1649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3001	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1651 R1652	NRSA63J-102X NRSA63J-223X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 22kΩ 1/16W J	R3002 R3003	NRSA63J-333X NRSA63J-101X	MG RESISTOR MG RESISTOR	33kΩ 1/16W J 100Ω 1/16W J
R1653	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R3004	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1658 R1659	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J	R3005 R3006	NRSA63J-181X NRSA63J-152X	MG RESISTOR MG RESISTOR	180Ω 1/16W J 1.5kΩ 1/16W J
R1665	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R3007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1666 R1667	NRSA63J-682X NRSA63J-222X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 2.2kΩ 1/16W J	R3009 R3010	NRSA63D-102X NRSA63J-152X	MG RESISTOR MG RESISTOR	1kΩ 1/16W D 1.5kΩ 1/16W J
R1668	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R3012	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1669 R1670	NRSA63J-682X NRSA63J-222X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 2.2kΩ 1/16W J	R3013 R3014	NRSA63J-333X NRSA63J-101X	MG RESISTOR MG RESISTOR	33kΩ 1/16W J 100Ω 1/16W J
R1671	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J 2.2Ω 1/4W J	R3015	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1672 R1673	QRJ146J-2R2X QRK126J-102X	UNF C RESISTOR UNF C RESISTOR	1kΩ 1/2W J	R3016 R3017	NRSA63J-181X NRSA63J-152X	MG RESISTOR MG RESISTOR	180Ω 1/16W J 1.5kΩ 1/16W J
R1674 R1680	QRK126J-102X NRSA63J-272X	UNF C RESISTOR	1kΩ 1/2W J	R3018 R3020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1681	NRSA63J-473X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 47kΩ 1/16W J	R3021	NRSA63D-102X NRSA63J-152X	MG RESISTOR MG RESISTOR	1kΩ 1/16W D 1.5kΩ 1/16W J
R1682 R1691	NRSA63J-103X NRSA63J-104X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 100kΩ 1/16W J	R3023 R3024	NRSA63J-473X NRSA63J-223X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 22kΩ 1/16W J
R1694	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R3025	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1695 R1696	NRSA63J-682X NRSA63J-473X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 47kΩ 1/16W J	R3026 R3027	NRSA63J-223X NRSA63J-471X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 470Ω 1/16W J
R1697	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3028	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1701 R1702	NRSA63J-0R0X NRSA63J-101X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 100Ω 1/16W J	R3029 R3030	NRSA63J-471X NRSA63J-471X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 470Ω 1/16W J
R1703	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J	R3039	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1712 R1713	NRSA63J-273X NRSA63J-123X	MG RESISTOR MG RESISTOR	27kΩ 1/16W J 12kΩ 1/16W J	R3040 R3042	NRSA63J-101X NRSA63J-103X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 10kΩ 1/16W J
R1714 R1715	NRSA63J-123X	MG RESISTOR MG RESISTOR	12kΩ 1/16W J	R3045 R3047	NRSA63J-101X NRSA63J-221X	MG RESISTOR MG RESISTOR	100Ω 1/16W J
R1716	NRSA63J-472X NRSA63J-102X	MG RESISTOR	4.7kΩ 1/16W J 1kΩ 1/16W J	R3048	NRSA63J-331X	MG RESISTOR	220Ω 1/16W J 330Ω 1/16W J
R1718 R1895	NRSA63J-472X NRSA63J-221X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 220Ω 1/16W J	R3049 R3050	NRSA63J-104X NRSA63J-563X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 56kΩ 1/16W J
R1896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R3051	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1897 R1898	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J	R3052 R3053	NRSA63J-331X NRSA63J-123X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 12kΩ 1/16W J
R1899	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R3054	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1900 R1942	NRSA63J-563X NRSA63D-122X	MG RESISTOR MG RESISTOR	56kΩ 1/16W J 1.2kΩ 1/16W D	R3055 R3058	NRSA63J-682X NRSA63J-102X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 1kΩ 1/16W J
R1943	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	R3059	NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J
<b>∆</b> R1944 R1945	QRK126J-220X NRSA63J-102X	UNF C RESISTOR MG RESISTOR	22Ω 1/2W J 1kΩ 1/16W J	R3060 R3065	NRSA63J-182X NRSA63J-101X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 100Ω 1/16W J
R1946	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1949 R1950	NRSA63D-122X NRSA63D-822X	MG RESISTOR MG RESISTOR	1.2kΩ 1/16W D 8.2kΩ 1/16W D	R3502 R3503	NRSA63J-101X NRSA63J-182X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 1.8kΩ 1/16W J
R1952	NRSA63J-331X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 220kΩ 1/16W J	R3504	NRSA63J-181X	MG RESISTOR MG RESISTOR	180Ω 1/16W J
R1953 R1957	NRSA63J-224X NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	R3505 R3507	NRSA63J-103X NRSA63J-101X	MG RESISTOR	10kΩ 1/16W J 100Ω 1/16W J
R1959 R1961	NRSA63D-182X NRSA63J-102X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W D 1kΩ 1/16W J	R3508 R3509	NRSA63J-0R0X NRSA63J-222X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 2.2kΩ 1/16W J
R1962	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R3511	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1963 R1964	NRSA63J-182X NRSA63J-223X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 22kΩ 1/16W J	R3516 R3518	NRSA63J-680X NRSA63J-101X	MG RESISTOR MG RESISTOR	68Ω 1/16W J 100Ω 1/16W J
R1965	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3519	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1966 R1967	NRSA63J-822X NRSA63J-122X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W J 1.2kΩ 1/16W J	R3520 R3521	NRSA63J-181X NRSA63J-103X	MG RESISTOR MG RESISTOR	180Ω 1/16W J 10kΩ 1/16W J
R1968	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3523	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1969	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
R3532 R3534 R3535 R3536 R3537 R3539 R3541	NRSA63J-680X NRSA63J-101X NRSA63J-182X NRSA63J-181X NRSA63J-103X NRSA63J-101X NRSA63J-222X	MG RESISTOR	68Ω 1/16W J 100Ω 1/16W J 1.8kΩ 1/16W J 180Ω 1/16W J 10kΩ 1/16W J 100Ω 1/16W J 2.2kΩ 1/16W J	LC3008 LC3501 LC3502 LC3503 SL1211 ATU1101 X3001	NQR0470-001X NQR0470-003X NQR0470-003X NQR0470-003X CSB503F30-T2 QAU0352-001 NAX0570-001X	EMI FILTER EMI FILTER EMI FILTER EMI FILTER C RESONATOR TUNER CRYSTAL	22pF 50V +50%-20% 100pF 50V +50%-20% 100pF 50V +50%-20% 100pF 50V +50%-20% 27.000MHz
R3548 R3549 R3550 R3551 R3552	NRSA63J-680X NRSA63J-223X NRSA63J-223X NRSA63J-0R0X NRSA63J-223X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	68Ω 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J 0Ω 1/16W J 22kΩ 1/16W J	DEF / C	ONVERGENC	E OUT P.W. BO	
R3553 R3554 R3555	NRSA63J-223X NRSA63J-223X NRSA63J-223X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J	(SRP-20	<b>002A-M2)</b> Part No.	Part Name	Description Local
R6001 R6002 R6003 R6004 R6006 R6007 R6008 R6009 RA3001 RA3001 RA3003 RA3004	NRSA63J-103X NRSA63J-103X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRZ0040-103X NRZ0040-103X NRZ0040-103X NRZ0040-103X	MG RESISTOR NET RESISTOR NET RESISTOR NET RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J 1kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 1kΩ 1/16W J 5.6kΩ 1/16W J 47kΩ 1/16W J 22kΩ 1/16W J 10kΩ 1/16W J x4 10kΩ 1/16W J x4 10kΩ 1/16W J x4	IC101 IC161 IC162 IC163 IC212 IC401 IC801 IC804 IC805 IC807	LA7860M-X AN5441SA-W BA10393F-XE AN7805F CXA1875AM-X AN15525A L7805CP STK394-250 STK394-210 SN74LVC1G126V-X	IC IC IC IC IC IC IC IC IC	
L1211 L1401 L1402 L1941 L1942 L1943 L1944 L1945 L1946 L1947 L1948 L1950 L1951 L1952 L1983 L3001 L3002 L3003 L3004 L3007 L3501 L3502 L3503	QQL244K-100Z QQL244K-100Z QQL26AK-100Z QQR1401-001 QQR1401-001 QQL26AK-330Z QQL26AK-220Z QQL26AK-220Z QQL26AK-220Z QQR1401-001 QQL26AK-470Z QQL26AK-470Z QQL26AK-470Z QQL26AK-470Z QQL26AK-470Z QR143J-060X NQL092K-6R8X NQL092K-6R8X NQR0413-003X NRSA02J-0R0X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X	PEAKING COIL PEAKING COIL CHOKE COIL COIL COIL COIL COIL COIL COIL COIL	10uH K 10uH K 10uH K 33uH K 33uH K 22uH K 22uH K 10uH K 47uH K 47uH K 0Ω 1/4W J 6.8uH K 6.8uH K 6.8uH K	Q101 Q102 Q131 Q132 Q162 Q168 Q171 Q172 Q401 Q501 Q503 Q521 Q531 Q532 Q533 Q806 Q807 Q808 Q809 Q810 Q971	2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SC3311A/QR/-T 2SC3311A/QR/-T 2SC3311A/QR/-T 1RFI620G 2SC1959/Y/-T 2SA562TM/Y/-T 2SA562TM/Y/-T 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X	TRANSISTOR MOS FET POW TRANSISTOR	
CN1001 CN1002 CN1003 CN100Q CN10AU CN10DC CN10SR H1661 H1802 J1091 J2101 J2102 J2111 J2121 K1943 K1944 LC1301 LC1302 LC1303 LC2301 LC2302 LC2303 LC2342 LC2323 LC2342 LC2342 LC2342 LC2342 LC3003 LC3001 LC3002 LC3003 LC3003 LC3004 LC3005 LC3007	QGB1506L1-16 QGB1506L1-16 QGB1506L1-16 WJP0053-004A WJP0052-002A QJB003-043014	CONNECTOR CONNECTOR CONNECTOR E-SH C WIRE C-B E-SH C WIRE C-B SIN ID C-B WIRE SIN ID C-B WIRE HEAT SINK/AL-F/ HEAT SINK ASSY 3.5 JACK PIN JACK PIN JACK PIN JACK C RESISTOR CRESISTOR EMI FILTER	B-B (1-16) B-B (1-16) B-B (1-16) B-B (1-16) B-B (1-16)  AV COMPULINK V/L IN RINLR OUT/CENTER CHIN S IN COMP-1/2 IN 0Ω 1/4W J 0Ω 1/4W J 0Ω 1/4W J 100pF 50V +50%-20% 22pF 50V +50%-20% 100pF 50V +50%-20% 100pF 50V +50%-20% 22pF 50V +50%-20% 22pF 50V +50%-20%	D164 D165 D170 D171 D173 D174 D201 D221 D301 D302 D303 D311 D401 D402 D403 D404 D405 D406 D501 D504 D506 D507 D521 D522 D531 D561 D562 D583 D804 D805 D811 D842 D841 D842 D841	1SS355-X NRSA63J-0R0X 1SS355-X 1SS355-X 1SS355-X 1SS355-X 1SS355-X 1SR35-400A-T2 1SS355-X EU2-T3 EU2-T3 EU2-T3 RU30A-F1 1SR124-400A-T2 MTZJ75-T2 1SR35-400A-T2 MA111-X MA8068/M/-X MA111-X MA8068/M/-X MS81-T2 RG2A-LFC4 FMV-3FU-F1 V11CA-C1 MA8120-X MA111-X RGP10J-5025-T3 MA4068N/Z1/-T2 MA4068N/Z1/-T2 MA4068N/Z1/-T2 MA4068N/Z1/-T2 RD5.6E/B2/-T2 RD5.6E/B2/-T2 PTZ6.8B-X PTZ5.1B-X RD6.8E/B2/-T2 RD6.8E/B2/-T2 RD6.8E/B2/-T2	SI DIODE MG RESISTOR SI DIODE Z DIODE	0Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
D846	RD6.8E/B2/-T2	Z DIODE		C523	QFN32AJ-682Z	M CAPACITOR	6800pF 100V J
D847	RD6.8E/B2/-T2	Z DIODE		C524	QCS31HJ-470Z	C CAPACITOR	47pF 50V J
D850	RD5.6E/B2/-T2	Z DIODE		C525	QCB31HK-682Z	C CAPACITOR	6800pF 50V K
D972	MA8150/M/-X	Z DIODE		C527	QETIN1EM-476Z	E CAPACITOR	47uF 25V M
D973	MA111-X	SI DIODE		C533	QCS32HJ-561	C CAPACITOR	560pF 500V J
C102 C103 C104 C106	NCB31HK-103X NCB31HK-103X NDC31HJ-561X NDC31HJ-102X	C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K 560pF 50V J 1000pF 50V J	C534 C536 C591 C701 C803	QFN32DK-222Z QFN32DJ-152Z QEZ0203-107 QFLC2AJ-223Z QETN1CM-107Z	M CAPACITOR M CAPACITOR E CAPACITOR M CAPACITOR E CAPACITOR	2200pF 200V K 1500pF 200V J 100uF 160V M 0.022uF 100V J 100uF 16V M
C107 C108 C109 C110 C111	NDC21HJ-122X QETN1HM-475Z NCB31HK-103X NCB31HK-102X QETN1HM-225Z	C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR	1200pF 50V J 4.7uF 50V M 0.01uF 50V K 1000pF 50V K 2.2uF 50V M	C804 C807 C808 C809 C810	NCB31EK-104X QETN1CM-107Z NCB31EK-104X NCB31EK-104X QETN1EM-107Z	C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR	0.1uF 25V K 100uF 16V M 0.1uF 25V K 0.1uF 25V K 100uF 25V M
C112	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C812	NDC31HJ-181X	C CAPACITOR	180pF 50V J
C113	NDC21HJ-122X	C CAPACITOR	1200pF 50V J	C818	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C114	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	C819	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C115	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	C820	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C116	NCB31HK-103X	C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	0.01uF 50V K	C821	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C117	QTMN1CM-477Z		470uF 16V M	C822	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C118	NCB31HK-103X		0.01uF 50V K	C823	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C120	QETN1EM-476Z		47uF 25V M	C824	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C121	QETN1CM-107Z		100uF 16V M	C825	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C827	QETN1HM-477Z	E CAPACITOR	470uF 50V M
C123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C828	QETN1HM-477Z	E CAPACITOR	470uF 50V M
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C829	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C131	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C830	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C132 C133 C134 C135 C136	QETN1HM-105Z NCB21EK-124X NCB31HK-153X NDC31HJ-102X NDC31HJ-102X	E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	1uF 50V M 0.12uF 25V K 0.015uF 50V K 1000pF 50V J 1000pF 50V J	C831 C832 C833 C834 C838	NDC31HJ-151X NDC31HJ-151X NDC31HJ-151X NDC31HJ-151X NCB31HK-104X	C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	150pF 50V J 150pF 50V J 150pF 50V J 150pF 50V J 0.1uF 50V K
C137	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	C844	QETN1CM-107Z	E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR	100uF 16V M
C138	NDC31HJ-181X	C CAPACITOR	180pF 50V J	C851	NDC31HJ-100X		10pF 50V J
C161	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	C852	NDC31HJ-100X		10pF 50V J
C162	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C853	NDC31HJ-100X		10pF 50V J
C163	QETN1AM-477Z	E CAPACITOR	470uF 10V M	C971	QETN1CM-107Z		100uF 16V M
C164 C165 C167 C168 C170	NCB31HK-103X NCB31CK-104X QFLM1HJ-332Z NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR M CAPACITOR C CAPACITOR C CAPACITOR	0.01uF 50V K 0.1uF 16V K 3300pF 50V J 0.01uF 50V K 0.01uF 50V K	C972 C973 R101 R103	QETN1EM-476Z QETN1HM-106Z NRSA63J-102X NRSA63J-681X	E CAPACITOR E CAPACITOR MG RESISTOR MG RESISTOR	47JF 25V M 10uF 50V M 1kΩ 1/16W J 680Ω 1/16W J
C171	QFVF1HJ-184Z	MF CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR	0.18uF 50V J	R104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C172	QETN1HM-475Z		4.7uF 50V M	R105	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C173	NCB31HK-153X		0.015uF 50V K	R106	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
C175	NCB31HK-152X		1500pF 50V K	R107	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C178	NCB31CK-104X	C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	0.1uF 16V K	R109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C179	NCB31CK-104X		0.1uF 16V K	R110	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C180	NCB31CK-104X		0.1uF 16V K	R111	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
C181	NCB31CK-104X		0.1uF 16V K	R112	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
C182	NCB31CK-104X		0.1uF 16V K	R113	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D
C185	NCB31CK-563X	C CAPACITOR MF CAPACITOR MF CAPACITOR E CAPACITOR E CAPACITOR	0.056uF 16V K	R114	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C187	QFVF1HJ-224Z		0.22uF 50V J	R116	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
C201	QFV21HJ-334Z		0.33uF 50V J	R117	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C212	QETN1HM-106Z		10uF 50V M	R120	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
C221	QETN1HM-105Z		1uF 50V M	R121	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
C301	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R122	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
C302	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R123	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J
C303	QETM2EM-336	E CAPACITOR	33uF 250V M	R126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C311	QETN1VM-107Z	E CAPACITOR	100uF 35V M	R127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C312	QCB32HK-821Z	C CAPACITOR E CAPACITOR M CAPACITOR C CAPACITOR M CAPACITOR	820pF 500V K	R129	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D
C401	QETN1VM-108Z		1000uF 35V M	R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C402	QFN31HJ-152Z		1500pF 50V J	R133	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C403	QCS32HJ-180Z		18pF 500V J	R134	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
C404	QFLC2AJ-104Z		0.1uF 100V J	R137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C405	QFV21HJ-104Z	MF CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR E CAPACITOR	0.1uF 50V J	R139	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C406	QETN1VM-107Z		100uF 35V M	R140	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C407	QETN1HM-105Z		1uF 50V M	R141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C408	QFLC2AJ-104Z		0.1uF 100V J	R142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C409	QETN1HM-106Z		10uF 50V M	R143	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C411	QCB31HK-222Z	C CAPACITOR BP E CAPACITOR BP E CAPACITOR M CAPACITOR C CAPACITOR	2200pF 50V K	R161	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C412	QENC1CM-226Z		22uF 16V M	R162	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C413	QENC1CM-226Z		22uF 16V M	R163	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C415	QFLC2AJ-823Z		0.082uF 100V J	R164	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C416	QCB31HK-682Z		6800pF 50V K	R168	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C501	QCB32HK-331Z	C CAPACITOR M CAPACITOR MF CAPACITOR MPP CAPACITOR MPP CAPACITOR	330pF 500V K	R169	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C502	QFN32DK-103		0.01uF 200V K	R172	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C503	QFV21HJ-224Z		0.22uF 50V J	R174	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C506	QFZ0122-452		4500pF 1.8kV H	R175	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C507	QFZ0122-452		4500pF 1.8kV H	R176	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
C508	QFP32JJ-103	PP CAPACITOR MPP CAPACITOR MPP CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	0.01uF 630V J	R177	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
C511	QFZ0128-404		0.4uF DC400V H	R178	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C513	QFZ0197-335		3.3uF 250V J	R179	NRVA63D-562X	CMF RESISTOR	5.6kΩ 1/16W D
C514	QCS32HJ-561		560pF 500V J	R180	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D
C521	QCZ0122-681		680pF 2kV K	R182	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C522	QCZ0122-681	C CAPACITOR	680pF 2kV K	R183	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local	ÆRef No.	Part No.	Part Name	Description Local
R184	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	R835	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R185	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	R836	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R186 R187	NRSA63J-562X NRSA63J-472X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J 4.7kΩ 1/16W J	R837 R838	NRSA63J-473X NRSA63J-473X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 47kΩ 1/16W J
R188	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	R839	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R189	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R840	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R190 R193	NRSA63J-181X NRSA63J-101X	MG RESISTOR MG RESISTOR	180Ω 1/16W J 100Ω 1/16W J	R842 R843	QRX01GJ-2R2 QRL029J-221	MF RESISTOR OMF RESISTOR	2.2Ω 1W J 220Ω 2W J
R195	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R844	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R196	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R846	QRX01GJ-1R5	MF RESISTOR	1.5Ω 1W J
R197 R198	NRSA63J-183X NRSA63J-103X	MG RESISTOR MG RESISTOR	18kΩ 1/16W J 10kΩ 1/16W J	R847 R848	QRL029J-151 NRSA63J-332X	OMF RESISTOR MG RESISTOR	150Ω 2W J 3.3kΩ 1/16W J
R207	NRS144F-274X	MG RESISTOR	270kΩ 1/4W F	R850	QRX01GJ-2R2	MF RESISTOR	2.2Ω 1W J
R208 R209	NRS144F-274X NRS144F-184X	MG RESISTOR MG RESISTOR	270kΩ 1/4W F 180kΩ 1/4W F	R851 R852	QRL029J-221 NRSA63J-332X	OMF RESISTOR MG RESISTOR	220Ω 2W J 3.3kΩ 1/16W J
R216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R854	QRX01GJ-1R5	MF RESISTOR	3.3k22 1/10W J 1.5Ω 1W J
R217	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R855	QRL029J-151	OMF RESISTOR	150Ω 2W J
R223 R224	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	R856 R858	NRSA63J-332X QRX01GJ-3R3	MG RESISTOR MF RESISTOR	3.3kΩ 1/16W J 3.3Ω 1W J
R226	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R859	QRL029J-221	OMF RESISTOR	220Ω 2W J
R227	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R860	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R230 R401	NRSA63J-223X NRSA63J-562X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 5.6kΩ 1/16W J	R862 R863	QRX01GJ-1R8 QRL029J-151	MF RESISTOR OMF RESISTOR	1.8Ω 1W J 150Ω 2W J
R402	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D	R864	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R403	QRE121J-180Y	C RESISTOR	18Ω 1/2W J	R866 R867	NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J
R404 R405	NRVA63D-682X NRVA63D-682X	CMF RESISTOR CMF RESISTOR	6.8kΩ 1/16W D 6.8kΩ 1/16W D	R873	NRSA63J-102X NRSA63J-0R0X	MG RESISTOR	1kΩ 1/16W J 0Ω 1/16W J
R406	NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D	R874	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R407 R408	NRVA63D-821X	CMF RESISTOR CMF RESISTOR	820Ω 1/16W D	R972 R973	NRSA63D-112X	MG RESISTOR	1.1kΩ 1/16W D
R408 R409	NRVA63D-821X QRL029J-221	OMF RESISTOR	820Ω 1/16W D 220Ω 2W J	R975	QRA14CF-7501Y QRE121J-223Y	CMF RESISTOR C RESISTOR	7.5kΩ 1/4W F 22kΩ 1/2W J
R410	QRT029J-2R2	MF RESISTOR	2.2Ω 2W J	R977	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R412 R413	NRSA63J-472X NRSA63J-104X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 100kΩ 1/16W J	R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R416	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L101	QQL01BK-470Z	PEAKING COIL	47uH K
R418	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L103	NQL092K-100X	COIL	10uH K
R420 R421	NRSA63J-101X NRSA63J-682X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 6.8kΩ 1/16W J	L104 L105	NQL092K-100X QQL01BK-101Z	COIL PEAKING COIL	10uH K 100uH K
R422	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L301	QQLZ026-140	COIL	14uH ±7%
R426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L502	QQR1408-001	CHOKE COIL	
R427 R430	NRSA63J-0R0X QRE121J-101Y	MG RESISTOR C RESISTOR	0Ω 1/16W J 100Ω 1/2W J	L505 L531	QQR1149-004 QQR1422-005	LINEARITY COIL CHOKE COIL	
R431	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	L701	QQR1422-005	CHOKE COIL	
R432	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	L802	QQL521J-470	COIL	47uH J
R501 R502	NRSA63J-471X QRE121J-123Y	MG RESISTOR C RESISTOR	470Ω 1/16W J 12kΩ 1/2W J	T501 T701	QQR1111-001 QQR1458-001	DRIVE TRANSF DAF TRANS	
R503	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J				
R504 R505	QRL039J-222	OMF RESISTOR	2.2kΩ 3W J	CN007	QGB1506M1-16	CONNECTOR	B-B (1-16)
R505 R506	QRL039J-222 QRE121J-5R6Y	OMF RESISTOR C RESISTOR	2.2kΩ 3W J 5.6Ω 1/2W J	CN008 CN00N	QGB1506M1-16 QJB003-101010	CONNECTOR SIN ID C-C WIRE	B-B (1-16)
R512	QRL029J-331	OMF RESISTOR	330Ω 2W J	CN00Y	WJK0170-001A	E-SI C WIRE C-B	
R521 R522	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J	CN011 CN012	QGB2501J1-15 QGB2501J1-15	CONNECTOR CONNECTOR	B-B (1-15) B-B (1-15)
R523	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	CN012 CN0AA	WJP0037-001A	W TO B CONNE	D-D (1-10)
R524	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	▲FR301	QRZ9011-1R0	FUSI RESISTOR	1Ω 1/2W J
R525 R526	NRSA63J-102X NRSA63J-470X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 47Ω 1/16W J	ΔFR302 ΔFR311	QRZ9011-1R0 QRZ9011-4R7	FUSI RESISTOR FUSI RESISTOR	1Ω 1/2W J 4.7Ω 1/2W J
R531	QRL029J-102	OMF RESISTOR	1kΩ 2W J	H401	LC30416-001A	HEAT SINK/AL-F/	4.752 1/200 5
R532	QRL029J-820	OMF RESISTOR	82Ω 2W J	H503	LC31212-001B	HEAT SINK/AL-F/	
R533 R534	QRL029J-820 NRSA63J-102X	OMF RESISTOR MG RESISTOR	82Ω 2W J 1kΩ 1/16W J	H506 H531	LC30521-001A CEHT11B-005QS	HEAT SINK/AL-F/ HEAT SINK	
R535	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	H801	CEHT11B-002QS	HEAT SINK	
R536	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	H804	LC31881-001A	HEAT SINK	
R561 R562	NRVA63D-472X NRVA63D-472X	CMF RESISTOR CMF RESISTOR	4.7kΩ 1/16W D 4.7kΩ 1/16W D	H805 K401	LC31881-001A QQR0621-002Z	HEAT SINK FERRITE BEADS	
R563	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	K501	QQR1139-001	FERRITE BEADS	
R565	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	K504	QQR1139-001	FERRITE BEADS FERRITE BEADS	
R591 R701	QRF154K-3R3 QRG01GJ-390	UNF WW RESISTOR OMF RESISTOR	3.3Ω 15W K 39Ω 1W J	K801 K802	QQR0621-002Z QQR0621-002Z	FERRITE BEADS	
R702	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J	K803	QQR0621-002Z	FERRITE BEADS	
R703 R801	QRZ0056-103Z NRSA63J-272X	COMP RESISTOR MG RESISTOR	10kΩ 1/2W K	K804 K805	QQR0621-002Z	FERRITE BEADS FERRITE BEADS	
R802	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J 2.7kΩ 1/16W J	K806	QQR0621-002Z QQR0621-002Z	FERRITE BEADS	
R803	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	K807	QQR0621-002Z	FERRITE BEADS	
R804 R805	NRSA63J-272X NRSA63J-272X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 2.7kΩ 1/16W J	K808 K809	QQR0621-002Z QQR0621-002Z	FERRITE BEADS FERRITE BEADS	
R806	NRSA63J-272X NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	K810	QQR0621-002Z QQR0621-002Z	FERRITE BEADS	
R811	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	K811	QQR0621-002Z	FERRITE BEADS	
R814 R818	QRL029J-151 NRSA63J-473X	OMF RESISTOR MG RESISTOR	150Ω 2W J 47kΩ 1/16W J				
R828	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R829	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R CRT	<b>SOCKET P.W</b>	. BOARD ASS'Y	(SRP-3101A-M2)
R830 R831	NRSA63J-101X NRSA63J-102X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 1kΩ 1/16W J	ÆRef No.	Part No.	Part Name	Description Local
R832	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	تارکز ۱۸۵.	i ait NU.	I GILINGIIIC	Description Local
R833	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	101001	TD 404440	10	
R834	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	IC1001	TDA6111Q	IC	

Ref No.	Part No.	Part Name	Description Local	B CRT S	SOCKET P.W. B	OARD ASS'Y (SRF	P-3301A-M2)  Description Local
D1006	RM2C-LFA1	SI DIODE			r ait ivo.	i ait ivailie	Description Local
D1101 D1102	EU01N-T2 MA8150/M/-X	SI DIODE Z DIODE		IC3001	TDA6111Q	IC	
C1002	QETN2EM-106Z	E CAPACITOR	10uF 250V M	Q3031	2SA1037AK/QR/-X	TRANSISTOR	
C1004 C1005 C1101 C1102 C1103	QETN2EM-106Z QFZ9027-472 NDC31HJ-6R0X QETN1HM-106Z NCB31HK-103X	E CAPACITOR MM CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR	10uF 250V M 4700pF 1000V K 6pF 50V J 10uF 50V M 0.01uF 50V K	D3006 D3101 D3102 D3201	RM2C-LFA1 EU01N-T2 MA8150/M/-X MA111-X	SI DIODE SI DIODE Z DIODE SI DIODE	
C1104 C1107 C1108	QETN1EM-476Z QFK62EK-104Z NDC31HJ-561X	E CAPACITOR MM CAPACITOR C CAPACITOR	47uF 25V M 0.1uF 250V K 560pF 50V J	C3002 C3004 C3005 C3101	QETN2EM-106Z QETN2EM-106Z QFZ9027-472 NDC31HJ-100X	E CAPACITOR E CAPACITOR MM CAPACITOR C CAPACITOR	10uF 250V M 10uF 250V M 4700pF 1000V K 10pF 50V J
R1001 R1002 R1003 R1101 R1102 R1103 R1104	QRE121J-105Y QRC121K-102Z QRZ0107-152Z NRSA63J-681X NRSA63J-222X NRSA63J-821X QRL039J-473	C RESISTOR COMP RESISTOR C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR OMF RESISTOR	1MΩ 1/2W J 1kΩ 1/2W K 1.5kΩ 1/2W K 680Ω 1/16W J 2.2kΩ 1/16W J 820Ω 1/16W J 47kΩ 3W J	C3102 C3103 C3104 C3107 C3108 C3201	QETN1HM-106Z NCB31HK-103X QETN1EM-476Z QFK62EK-104Z NDC31HJ-561X NDC31HJ-330X	E CAPACITOR C CAPACITOR E CAPACITOR MM CAPACITOR C CAPACITOR C CAPACITOR	10uF 50V M 0.01uF 50V K 47uF 25V M 0.1uF 250V K 560pF 50V J 33pF 50V J
R1106 R1107	NRSA63J-103X QRC121K-561Z	MG RESISTOR COMP RESISTOR	10kΩ 1/16W J 560Ω 1/2W K	R3001 R3002 R3003	QRE121J-105Y QRC121K-102Z QRZ0107-152Z	C RESISTOR COMP RESISTOR C RESISTOR	1MΩ 1/2W J 1kΩ 1/2W K 1.5kΩ 1/2W K
L1101 L1102	QQL26AJ-102Z QQL244K-5R6Z	PEAKING COIL PEAKING COIL	1mH J 5.6uH K	R3031 R3032 R3033	NRSA63D-123X NRSA63D-562X NRSA63J-104X	MG RESISTOR MG RESISTOR MG RESISTOR	12kΩ 1/16W D 5.6kΩ 1/16W D 100kΩ 1/16W J
H1001 SG1001 ∆SK1001	LC31150-002A QAF0056-501Z QNZ0536-001	HEAT SINK/AL-F1 SURGE ABSORBER CRT SOCKET	500V M	R3101 R3102 R3103 R3104 R3106 R3107	NRSA63J-681X NRSA63J-182X NRSA63J-821X QRL039J-473 NRSA63J-103X QRC121K-561Z	MG RESISTOR MG RESISTOR MG RESISTOR OMF RESISTOR MG RESISTOR COMP RESISTOR	680Ω 1/16W J 1.8kΩ 1/16W J 820Ω 1/16W J 47kΩ 3W J 10kΩ 1/16W J 560Ω 1/2W K
G CRT S	SOCKET P.W. E	BOARD ASS'Y (S	RP-3201A-M2)	R3201	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
⚠Ref No.	Part No.	Part Name	Description Local	L3101 L3102	QQL26AJ-102Z QQL244K-5R6Z	PEAKING COIL PEAKING COIL	1mH J 5.6uH K
IC2001 D2006	TDA6111Q RM2C-LFA1	IC SI DIODE		CN3GBK H3001 SG3001	QJB003-062211 LC31150-002A QAF0056-501Z	SIN ID C-B WIRE HEAT SINK/AL-F1 SURGE ABSORBER	500V M
D2101 D2102	EU01N-T2 MA8150/M/-X	SI DIODE Z DIODE		<b>∆</b> SK3001	QNZ0536-001	CRT SOCKET	000 m
C2001 C2002 C2004 C2005	QETN2EM-106Z QETN2EM-106Z QETN2EM-106Z QFZ9027-472	E CAPACITOR E CAPACITOR E CAPACITOR MM CAPACITOR	10uF 250V M 10uF 250V M 10uF 250V M 4700pF 1000V K	VM P.W. ∴Ref No.	BOARD ASS'Y	(SRP-7201A-M2) Part Name	Description Local
C2010 C2101 C2102 C2103 C2104 C2107 C2108	QETN1CM-107Z NDC31HJ-6R0X QETN1HM-106Z NCB31HK-103X QETN1EM-476Z QFK62EK-104Z NDC31HJ-561X	E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR MM CAPACITOR C CAPACITOR	100uF 16V M 6pF 50V J 10uF 50V M 0.01uF 50V K 47uF 25V M 0.1uF 250V K 560pF 50V J	Q7101 Q7102 Q7103 Q7104 Q7105	2SC1906-T 2SA1005/MLK/-T 2SC1959/Y/-T 2SA562TM/Y/-T 2SJ407	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR POWER MOS FET	- Seconplain Edeal
R2001	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J	Q7106	2SK2381	POWER MOS FET	
R2002 R2003 R2010 R2011	QRC121K-102Z QRZ0107-152Z NRSA63D-123X NRSA63D-223X	COMP RESISTOR C RESISTOR MG RESISTOR MG RESISTOR	1kΩ 1/2W K 1.5kΩ 1/2W K 12kΩ 1/16W D 22kΩ 1/16W D	D7101 D7102 D7103	1SS355-X RGP10J-04TS-T3 RGP10J-04TS-T3	SI DIODE SI DIODE SI DIODE	
R2012 R2101 R2102 R2103 R2104 R2106 R2107	NRSA63D-472X NRSA63J-681X NRSA63J-182X NRSA63J-821X QRL039J-473 NRSA63J-103X QRC121K-561Z	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR OMF RESISTOR MG RESISTOR COMP RESISTOR	4.7kΩ 1/16W D 680Ω 1/16W J 1.8kΩ 1/16W J 820Ω 1/16W J 47kΩ 3W J 10kΩ 1/16W J 560Ω 1/2W K	C7101 C7102 C7103 C7104 C7107 C7108 C7109	NCB31HK-102X QETN1HM-106Z NCB31HK-473X NCB31HK-473X QFN32DK-103 QFN32DK-103 QETN2CM-475Z	C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR	1000pF 50V K 10uF 50V M 0.047uF 50V K 0.047uF 50V K 0.01uF 200V K 0.01uF 200V K 4.7uF 160V M
L2001 L2101 L2102	QQL26AJ-102Z QQL26AJ-102Z QQL244K-5R6Z	PEAKING COIL PEAKING COIL PEAKING COIL	1mH J 1mH J 5.6uH K	C7110 C7111 C7112 C7113	QETN2AM-226Z QETN2AM-226Z QFN31HJ-222Z QFN31HJ-222Z	E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR	22uF 100V M 22uF 100V M 2200pF 50V J 2200pF 50V J
CN200E CN200V CN2GBN CN2RGK CN2RGN	WJP0058-001A QJB003-051810 QJB003-042424 QJB003-062211 QJB003-042424	E-SI C WIRE C-B SIN ID C-C WIRE SIN ID C-B WIRE SIN ID C-B WIRE SIN ID C-B WIRE		C7116 C7117 C7118 C7119 C7120	QCS32HJ-330Z QFN32DK-103 QFN32DK-103 QFK62EK-104Z QCB32HK-152Z	C CAPACITOR M CAPACITOR M CAPACITOR MM CAPACITOR C CAPACITOR	33pF 500V J 0.01uF 200V K 0.01uF 200V K 0.1uF 250V K 1500pF 500V K
H2001 SG2001 ∆SK2001	LC31150-002A QAF0056-501Z QNZ0536-001	HEAT SINK/AL-F1 SURGE ABSORBER CRT SOCKET	500V M	R7101 R7102 R7103 R7104 R7105 R7106 R7107	NRSA63J-101X NRSA63J-223X NRSA63J-332X NRSA63J-332X NRSA63J-391X NRSA63J-471X NRSA63J-392X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	$\begin{array}{c} 100\Omega \ 1/16W \ J \\ 22k\Omega \ 1/16W \ J \\ 3.3k\Omega \ 1/16W \ J \\ 3.3k\Omega \ 1/16W \ J \\ 390\Omega \ 1/16W \ J \\ 470\Omega \ 1/16W \ J \\ 3.9k\Omega \ 1/16W \ J \end{array}$

⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
R7110 R7111	QRJ146J-681X QRE121J-473Y	UNF C RESISTOR C RESISTOR	680Ω 1/4W J 47kΩ 1/2W J	D981 D983	MA111-X 1SR35-400A-T2	SI DIODE SI DIODE	
R7112 R7113 R7114 R7115 R7116 R7119 R7120 R7121 R7122 R7123 R7124	QRE121J-473Y QRJ146J-681X QRJ146J-470X QRJ146J-470X QRG01GJ-150 QRG01GJ-220 QRL039J-150 QRL039J-150 QRL039J-150 QRL039J-150 NRSA63J-101X	C RESISTOR UNF C RESISTOR UNF C RESISTOR UNF C RESISTOR OMF RESISTOR	$\begin{array}{c} 47 k\Omega \ 1/2 W \ J \\ 680 \Omega \ 1/4 W \ J \\ 47 \Omega \ 1/4 W \ J \\ 47 \Omega \ 1/4 W \ J \\ 15 \Omega \ 1/4 W \ J \\ 12 \Omega \ 1/4 W \ J \\ 15 \Omega \ 3 W \ J \\ 10 \Omega \ 1/16 W \ J \\ \end{array}$	△C801 △C802 △C803 C903 △C904 △C905 △C906 C907 △C908 C912	QFZ9072-104 QFZ9072-104 QFZ9072-104 NCB31HK-221X QCZ9054-102 QCZ9054-102 QCZ9054-102 QEZ0572-128 QCZ9054-102 QCZ9054-102 QCZ0340-332	MM CAPACITOR MM CAPACITOR MM CAPACITOR C CAPACITOR	0.1uF AC250V K 0.1uF AC250V K 0.1uF AC250V K 220pF 50V K 1000pF AC250V Z 1000pF AC250V Z 1000pF AC250V Z 1200uF 200V M 1000pF AC250V Z 3300pF 2kV K
CN700J H7105 H7106 K7101	QJB003-052610 CEHS12B-002Q CEHS12B-002Q QQR1114-001Z	SIN ID C-B WIRE HEAT SINK HEAT SINK FERRITE BEADS		C913 C914 C916 C917 C918 C919 C920	QETN1HM-105Z QETN1HM-226Z QCS31HJ-331Z QFN31HJ-332Z QFVF1HJ-104Z QFP32GJ-103 NCB31HK-104X	E CAPACITOR E CAPACITOR C CAPACITOR M CAPACITOR MF CAPACITOR PP CAPACITOR C CAPACITOR	1úF 50V M 22uF 50V M 330pF 50V J 3300pF 50V J 0.1uF 50V J 0.01uF 400V J 0.1uF 50V K
	CON SENSOR 001A-M2)	P.W. BOARD ASS	Ϋ́	C930 C931 C932 C934	QCS31HJ-181Z QEZ0203-227 QETM1EM-228 QETM1VM-228	C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	180pF 50V J 220uF 160V M 2200uF 25V M 2200uF 35V M
Ref No.	Part No.	Part Name	Description Local	C935 C937 C943	QETN1VM-108Z QCZ0340-152 QETN1EM-227Z	E CAPACITOR C CAPACITOR E CAPACITOR	1000uF 35V M 1500pF 2kV K 220uF 25V M
IC8001	GP1UM281QK	IR DETECT UNIT	38kHz	C945 C954 C955	QETM1HM-108 QETN1HM-226Z	E CAPACITOR E CAPACITOR C CAPACITOR	1000uF 50V M 22uF 50V M
D8001	MA8068-X	CHIP ZENER DIODE		C962 	NCB21AK-105X QETN1VM-477Z QCZ9078-222	E CAPACITOR C CAPACITOR	1uF 10V K 470uF 35V M 2200pF AC250V M
C8001 C8002	NCB31CK-104X QETN1EM-476Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 47uF 25V M	<b>∆</b> C994 <b>∆</b> C995	QCZ9078-222 QCZ9078-222	C CAPACITOR C CAPACITOR	2200pF AC250V M 2200pF AC250V M
R8001 R8003 R8004	NRSA63J-102X NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR MG RESISTOR	1kΩ 1/16W J 100Ω 1/16W J 100Ω 1/16W J	△C997 △C998 △C999	QCZ9078-222 QCZ9078-222 QCZ9078-222	C CAPACITOR C CAPACITOR C CAPACITOR	2200pF AC250V M 2200pF AC250V M 2200pF AC250V M
POWER	R P.W. BOARD	ASS'Y (SRP-9001 <i>A</i> Part Name	N-M2)  Description Local	R813 R814 R815 R816 R818 R901	QRE121J-104Y NRSA63J-223X NRSA63J-223X NRSA63J-0R0X NRSA63J-223X QRF154K-R51	C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR UNF WW RESISTOR	100kΩ 1/2W J 22kΩ 1/16W J 22kΩ 1/16W J 0Ω 1/16W J 22kΩ 1/16W J 0.51Ω 15W K
IC911 IC921	STR-X6737M-F2 SE140N	IC IC		R910 R911 R912	QRE121J-152Y QRL029J-393 QRT029J-R15	C RESISTOR OMF RESISTOR MF RESISTOR	1.5kΩ 1/2W J 39kΩ 2W J 0.15Ω 2W J
Q811 Q950 Q952 Q953 Q954 Q955 Q956 Q961 Q962 Q970	UN221C-X UN221C-X UN221C-X 2SC3928A/QR/-X UN221C-X UN2211-X 2SC3928A/QR/-X UN221C-X 2SC4682-T 2SC3928A/QR/-X	DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		R913 R917 R918 R920 R922 R923 R925 R932 R941 R944 R948	QRT029J-R18 QRK126J-102X QRE121J-102Y QRE121J-101Y NRSA63J-102X QRG01GJ-470 NRSA63J-333X QRL039J-333 QRE121J-182Y QRE121J-102Y	MF RESISTOR UNF C RESISTOR C RESISTOR C RESISTOR C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR C RESISTOR C RESISTOR	0.18Ω 2W J 1kΩ 1/2W J 1kΩ 1/2W J 680kΩ 1/2W J 100Ω 1/2W J 1kΩ 1/16W J 47Ω 1W J 33kΩ 1/16W J 33kΩ 1/16W J 1.8kΩ 1/2W J 1.8kΩ 1/2W J
D815 D816 D816 D901 D911 D912 D913 D914 D915 D920 D921 D931 D932 D935 D936 D937 D938 D939 D941 D941	MA8150/M/-X MA8068/M/-X RBV-606 RGP10J-5025-T3 RGP10J-5025-T3 MA111-X MA111-X SARS01-T2 MA111-X MA8056/M/-X RU4AM-F1 31DF6N-FC5 RU3YX-LFC4 FMX-G12S RGP10J-5025-T3 FMX-G12S RD12E/B1/-T2 MA8300/H/-X RD12E/B1/-T2	Z DIODE CHIP ZENER DIODE BRIDGE DIODE SI DIODE Z DIODE Z DIODE Z DIODE Z DIODE Z DIODE		R957 R959 R961 R962 R963 R964 R965 R967 R968 R969 R971 R973 R974 R975 R976 R986 R988	QRL 029J-102 QRE121J-121Y NRSA63J-222X QRE121J-153Y QRE121J-153Y NRSA63J-223X NRSA63J-223X NRSA63J-473X NRSA63J-103X NRSA63J-103X QRE121J-103Y QRE121J-103Y QRE121J-153Y NRSA63J-393X NRSA63J-393X NRSA63J-472X QRE121J-222Y QRG01GJ-152 QRZ0111-685	OMF RESISTOR C RESISTOR MG RESISTOR C RESISTOR C RESISTOR MG RESISTOR C RESISTOR C RESISTOR C RESISTOR C RESISTOR G RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR C RESISTOR C RESISTOR C RESISTOR	1kΩ 2W J 120Ω 1/2W J 2.2kΩ 1/16W J 15kΩ 1/2W J 15kΩ 1/2W J 6.8kΩ 1/16W D 22kΩ 1/16W J 47kΩ 1/16W J 22kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 1.8kΩ 1/16W J 15kΩ 1/16W J 25kΩ 1/16W J 22kΩ 1/16W J 15kΩ 1/16W J 15kΩ 1/16W J 15kΩ 1/16W D 39kΩ 1/16W D 39kΩ 1/16W J 4.7kΩ 1/16W J 2.2kΩ 1/2W J 1.5kΩ 1/16W J 4.7kΩ 1/16W J 2.2kΩ 1/2W J 1.5kΩ 1/2W J
D956 D957 D958	MA111-X MA111-X MA8068/M/-X	SI DIODE SI DIODE CHIP ZENER DIODE		L931 <b>∆</b> T921	QQL26AK-470Z QQS0264-001	CHOKE COIL SW TRANSF	47uH K
D959 D961 D970 D980	MA111-X MTZJ22B-T2 MA8030/H/-X 1SR35-400A-T2	SI DIODE Z DIODE Z DIODE SI DIODE		CN001 CN002 CN003 CN007	QGB1506M1-16 QGB1506M1-16 QGB1506M1-16 QGB1506L1-16	CONNECTOR CONNECTOR CONNECTOR CONNECTOR	B-B (1-16) B-B (1-16) B-B (1-16) B-B (1-16)

⚠Ref No.	Part No.	Part Name	Description Local
CN008 &CP934 &CP936 &CP941 &CP942 &CP943 &F801 &F805 &F8915 H901 H911 H936 H940 K914 K930 K931 K932 K935 K937 K938 &LF801 &LF802 PC811 PC921 &RY952	QGB1506L1-16 ICP-N70-T ICP-N70-T ICP-N70-T ICP-N70-T ICP-N20-Y OMF61U1-7R0-S QMFZ049-5R0Z-E QR29017-470 LC30171-001A LC31211-001A CM42862-00J-H CEHT11B-002QS QQR0582-001Z QQR0621-002Z QQR0621-002Z QQR0621-002Z QQR0621-002Z QQR0621-002Z QQR0621-002Z QQR0621-002Z QQR0621-002Z QQR0621-002Z QQR0621-002Z QQR0621-002Z QQR0621-002Z QQR1407-001 QQR1407-001 PS2581AL1/QW/ PS2581AL1/QW/ QSK0083-001	CONNECTOR IC PROTECTOR FUSE FUSI RESISTOR HEAT SINK/FE-P/ HEAT SINK/AL-F/ HEAT SINK ASSY HEAT SINK FERRITE BEADS LINE FILTER LINE FILTER LINE FILTER PHOTO COUPLER PHOTO COUPLER RELAY	B-B (1-16) 2.5A 2.5A 2.5A 2.5A 800mA 7A AC125V 5A 125V 47Ω 1/4W J
<b>∆</b> VA801	QAF0060-621	VARISTOR	620V

### FRONT CONTROL P.W. BOARD ASS'Y (SRP0L001A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC0703	BA05FP-X	IC	
Q0701 Q0702	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR	
D0402 D0403 D0404 D0405 D0406 D0701 D0703 D0704 D0735	MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X HLMP-NS30-J0000 MA8068-X MA8068-X MA8100/M/-X	Z DIODE Z DIODE Z DIODE Z DIODE Z DIODE Z DIODE LED CHIP ZENER DIODE CHIP ZENER DIODE Z DIODE	POWER
C0442 C0443 C0444 C0445 C0446 C0710 C0711	QETN1HM-105Z QETN1HM-105Z QETN1HM-106Z QETN1HM-106Z QFLC1HJ-103Z QETN1VM-476Z QETN1CM-336Z NCB31CK-104X	E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	1uF 50V M 1uF 50V M 10uF 50V M 10uF 50V M 0.01uF 50V J 47uF 35V M 33uF 16V M 0.1uF 16V K
R0401 R0402 R0403 R0404 R0405 R0413 R0414 R0415 R0416 R0706 R0707 R0708 R0711 R0712 R0732 R0748 R0749 R0750 R0751	NRSA63J-750X NRSA63J-224X NRSA63J-224X NRSA63J-750X NRSA63J-750X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-333X NRSA63J-333X NRSA63J-333X NRSA63J-3562X NRSA63J-153X NRSA63J-153X	MG RESISTOR	75Ω 1/16W J 220kΩ 1/16W J 220kΩ 1/16W J 75Ω 1/16W J 75Ω 1/16W J 0Ω 1/16W J 0Ω 1/16W J 0Ω 1/16W J 0Ω 1/16W J 10KΩ 1/16W J 560Ω 1/16W J 33kΩ 1/16W J 33kΩ 1/16W J 33kΩ 1/16W J 33kΩ 1/16W J 5.6kΩ 1/16W J 5.6kΩ 1/16W J
J0401 S0701 S0702 S0703 S0704 S0705 S0706 S0707	QNZ0438-001 QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z	AV JACK TACT SWITCH	S/V/L/R IN POWER MENU CH- CH+ VOL- VOL+ SUPER FOCUS

## DIGITAL INPUT MODULE P.W. BOARD ASS'Y (SRP-7803A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
MD001	SRP-7803A-M2	DIGITAL INPUT MODULE PWB	_

## DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SRP0K003A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
MD001	SRP0K003A-M2	DIGITAL CONVERGENCE MODU	JLE PWB

## MI-CON & DIST MODULE P.W. BOARD ASS'Y (SRP0D001A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
MD001	SRP0D001A-M2	MI-CON & DIST MODULE PWB	

## PRINTED WIRING BOARD PARTS LIST [AV-56P575/H]

MAIN P	.W. BOARD AS	SS'Y (SRP-1004A	-M2)	⚠Ref No.	Part No.	Part Name	Description Local
ÆRef No.	Part No.	Part Name	Description Local	D1401	MA111 V	SIDIODE	
				D1401 D1402	MA111-X UDZS5.1B-X	SI DIODE Z DIODE	
IC1101	L7805CP	IC		D1402	MA111-X	SI DIODE	
IC1140	CXA2205Q-X	IC		D1513	MA111-X	SI DIODE	
IC1211	TA1318N	IC		D1596	MA8100/M/-X	Z DIODE	
IC1212 IC1301	SN74AHC2G08T-X	IC IC		D1667	MA111-X	SI DIODE	
IC1501	AN15852A CXA2069Q	IC		D1668 D1669	MA111-X MA111-X	SI DIODE SI DIODE	
IC1502	M62320FP-X	IC		D1702	MA111-X	SI DIODE	
IC1511	PQ033RD01SZ	IC		D1703	MA111-X	SI DIODE	
IC1641 IC1661	NJM2150AM-X	IC IC		D1704	MA8100/M/-X	Z DIODE	
IC1703	AN5277 AT24C128-56P585	IC IC	(SERVICE)	D1705 D1712	MA8100/M/-X MA111-X	Z DIODE SI DIODE	
IC1802	BA033T	REGULATOR IC	(OLITTIOL)	D1802	MA111-X	SI DIODE	
IC1941	PQ1CG21H2FZ	IC		D1895	MA8082/M/-X	Z DIODE Z DIODE	
IC1942 IC1943	SI-8050JD-W PQ1CY1032Z-W	IC IC		D1896 D1897	MA8082/M/-X	Z DIODE Z DIODE	
IC1943	PQ070XZ01Z-X	IC		D1898	MA8051/M/-X MA8051/M/-X	Z DIODE Z DIODE	
IC1991	PQ12RD11	IC		D1947	EC31QS04-X	SB DIODE	
IC1993	MM1565AF-X	IC		D1948	EC31QS04-X	SB DIODE	
IC3001 IC3002	MN82832 R1170H331B-X	IC IC		D1949 D1962	EC31QS04-X	SB DIODE Z DIODE	
IC6001	NJM2701M-X	IC		D1962 D1964	MA3030/H/-X MA111-X	SI DIODE	
				D1965	MA111-X	SI DIODE	
Q0701	2SK2090-X	MOS FET		D1967	PTZ6.8B-X	Z DIODE	
Q0702 Q1101	2SK2090-X 2SA1530A/QR/-X	MOS FET TRANSISTOR		D1968 D1969	PTZ3.9B-X PTZ11B-X	Z DIODE Z DIODE	
Q1101	2SC3928A/QR/-X	TRANSISTOR		D1909 D1981	MA111-X	SI DIODE	
Q1232	2SA1530A/QR/-X	TRANSISTOR		D1991	MA111-X	SI DIODE	
Q1252 Q1253	2SA1530A/QR/-X	TRANSISTOR		D1993	MA111-X	SI DIODE	
Q1253 Q1254	2SC3928A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		D2101 D2121	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1255	2SC3928A/QR/-X	TRANSISTOR		D2121	MA8100/M/-X	Z DIODE Z DIODE	
Q1301	2SC3837K/NP/-X	TRANSISTOR		D2204	MA8100/M/-X	Z DIODE	
Q1302	2SC3837K/NP/-X	TRANSISTOR		D2205	MA8100/M/-X	Z DIODE	
Q1303 Q1401	2SC3837K/NP/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		D2206 D2209	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1511	2SC3928A/QR/-X	TRANSISTOR		D2210	MA8100/M/-X	Z DIODE Z DIODE	
Q1531	2SC3928A/QR/-X	TRANSISTOR		D2212	MA8100/M/-X	Z DIODE	
Q1668	UN2213-X	DIGI TRANSISTOR		D2213	MA8100/M/-X	Z DIODE	
Q1669 Q1671	2SC3928A/QR/-X UN2213-X	TRANSISTOR DIGI TRANSISTOR		D2215 D2216	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1672	2SC3928A/QR/-X	TRANSISTOR		D2217	MA8100/M/-X	Z DIODE	
Q1673	2SA1530A/QR/-X	TRANSISTOR		D2218	MA8100/M/-X	Z DIODE	
Q1674 Q1712	2SC3928A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		D2219	MA8100/M/-X	Z DIODE Z DIODE	
Q1712 Q1713	2SC2785/JH/-T	SI TRANSISTOR		D2401 D2402	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1714	2SA1530A/QR/-X	TRANSISTOR		D2403	MA8100/M/-X	Z DIODE	
Q1961	2SC3928A/QR/-X	TRANSISTOR		D2404	MA8100/M/-X	Z DIODE	
Q1962 Q1964	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		D2406	MA8100/M/-X	Z DIODE Z DIODE	
Q1965	UN2213-X	DIGI TRANSISTOR		D2421 D2422	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1966	UN2213-X	DIGI TRANSISTOR		DZ-TZZ	WIN TO TOO WILL TO	Z DIODE	
Q1967	UN2213-X	DIGI TRANSISTOR		C1101	QETN1CM-477Z	E CAPACITOR	470uF 16V M
Q1981 Q1984	2SC4682-T 2SC4682-T	TRANSISTOR TRANSISTOR		C1102	QETN1CM-107Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	100uF 16V M
Q3001	2SC3928A/QR/-X	TRANSISTOR		C1103 C1111	NCF31CZ-104X	C CAPACITOR	10uF 50V M 0.1uF 16V Z
Q3002	2SC3928A/QR/-X	TRANSISTOR		C1140	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
Q3003	2SA1530A/QR/-X	TRANSISTOR		C1141	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
Q3004 Q3005	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C1144 C1145	QETN1HM-106Z NCB31HK-223X	E CAPACITOR C CAPACITOR	10uF 50V M 0.022uF 50V K
Q3006	2SA1530A/QR/-X	TRANSISTOR		C1146	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q3007	2SA1530A/QR/-X	TRANSISTOR		C1147	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
Q3501	2SA1530A/QR/-X	TRANSISTOR		C1148	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
Q3502 Q3505	2SC3928A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		C1149 C1150	NCB31HK-472X QENC1HM-475Z	C CAPACITOR BP E CAPACITOR	4700pF 50V K 4.7uF 50V M
Q3506	2SC3928A/QR/-X	TRANSISTOR		C1151	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
Q3509	2SA1530A/QR/-X	TRANSISTOR		C1152	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
Q3510	2SC3928A/QR/-X	TRANSISTOR		C1153	NCB31HK-562X	C CAPACITOR	5600pF 50V K
Q6001 Q6002	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C1154 C1155	NCB31HK-123X QETN1HM-105Z	C CAPACITOR E CAPACITOR	0.012uF 50V K 1uF 50V M
Q0002	200020/ VQIV-/\			C1156	QETN1HM-475Z	E CAPACITOR E CAPACITOR	4.7uF 50V M
D1093	MA8082/M/-X	Z DIODE		C1157	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D1140	MA8100/M/-X	Z DIODE		C1158	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
D1141 D1145	MA8100/M/-X MA8082/M/-X	Z DIODE Z DIODE		C1159 C1160	QETN1CM-107Z QENC1HM-475Z	E CAPACITOR BP E CAPACITOR	100uF 16V M 4.7uF 50V M
D1145	MA8082/M/-X	Z DIODE Z DIODE		C1160	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
D1251	MA8100/M/-X	Z DIODE		C1162	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
D1252	MA8100/M/-X	Z DIODE		C1163	NCB31HK-272X	C CAPACITOR	2700pF 50V K
D1253 D1301	MA111-X MA8100/M/-X	SI DIODE Z DIODE		C1164 C1165	NCB31HK-473X QETN1HM-335Z	C CAPACITOR E CAPACITOR	0.047uF 50V K 3.3uF 50V M
D1301	MA8100/M/-X	Z DIODE		C1166	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
D1305	MA8100/M/-X	Z DIODE		C1167	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D1306	MA8100/M/-X	Z DIODE		C1168	QETN1HM-105Z	E CAPACITOR	1uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
C1169	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	C1652	NCB31CK-153X	C CAPACITOR	0.015uF 16V K
	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	C1653	NCB31CK-473X	C CAPACITOR	0.047uF 16V K
C1170 C1171	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1667	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1172	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1668	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1213	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C1669	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1214	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C1670	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1215	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	C1671	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1216	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C1672	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1218	NCB21CK-105X	C CAPACITOR	1uF 16V K	C1673	QETN1HM-477Z	E CAPACITOR	470uF 50V M
C1219	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C1674	QETM1HM-108	E CAPACITOR	1000uF 50V M
C1233	NDC31HJ-180X	C CAPACITOR	18pF 50V J	C1675	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J
C1257	QETN1HM-105Z	E CAPACITOR	1uF 50V M	C1676	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J
C1258	QETN1HM-105Z	E CAPACITOR	1uF 50V M	C1677	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1301	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C1678	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1302	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C1679	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1303	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C1680	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1304	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1696	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1305	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1697	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1702	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1307	QETN1CM-106Z	E CAPACITOR	10uF 16V M	C1712	QETN1AM-227Z	E CAPACITOR	220uF 10V M
C1308	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1806	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C1309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1807	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1311	NCB21CK-105X	C CAPACITOR	1uF 16V K	C1941	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C1312	NCB21CK-105X	C CAPACITOR	1uF 16V K	C1942	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C1313	NCB21CK-105X	C CAPACITOR	1uF 16V K	C1943	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1322	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1944	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C1323 C1324	NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 1uF 16V K	C1945	QEZ0256-128	E CAPACITOR C CAPACITOR	1200uF 10V M 0.1uF 25V K
C1325	NCB21CK-105X NCB21CK-105X	C CAPACITOR	1uF 16V K	C1946 C1947	NCB31EK-104X QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1326	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C1948	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1327	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C1949	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1328	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C1950	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1329	NCB31HK-103X	C CAPACITOR	0.01úF 50V K	C1951	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C1331	NCB21CK-105X	C CAPACITOR	1uF 16V K	C1952	QEZ0256-128	E CAPACITOR	1200uF 10V M
C1332	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1953	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
C1333	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1955	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1341	NCB21CK-105X	C CAPACITOR	1uF 16V K	C1961	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1341 C1342	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1981	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1343	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1984	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1985	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M
C1352	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1991	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C1353	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1992	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1994	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1355	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1995	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1371	QETN1CM-336Z	E CAPACITOR	33uF 16V M	C1996	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1372	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C2102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1381	QETN1CM-336Z	E CAPACITOR	33uF 16V M	C2103	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1382	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C2104	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1391	QETN1CM-336Z	E CAPACITOR	33uF 16V M	C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1392	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C2106	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1403	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	C2123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1404	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	C2124	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1405	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	C2126	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1406	QETN1AM-108Z	F CAPACITOR	1000uF 10V M	C2127	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1409	QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M	C2128	NCB11CK-225X NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C2144	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C2145	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1412	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C2146	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2302	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1416	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C2303	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1417	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2322	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1418	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C2323	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1421	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	C2341	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1423	QETN1HM-476Z	E CAPACITOR	47uF 50V M	C2342	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1442	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C2343	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3001	QENC1AM-336Z	BP E CAPACITOR	33uF 10V M
C1502	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3002	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1510	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	C3003	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C1519	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3004	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C1531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C3005	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1532	QETN1HM-226Z	E CAPACITOR	22uF 50V M	C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1539	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	C3007	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C1540	QETN1AM-107Z	E CAPACITOR	100uF 10V M	C3008	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1553	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3009	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C1554	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3010	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C1555	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1556	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1557	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1579	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3014	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1641	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C3015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1642	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1643	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	C3017	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1645	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1646	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1647	QETN1HM-226Z	E CAPACITOR	22uF 50V M	C3020	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1648	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C3021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1651	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C3022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C3023 C3024	NCF31CZ-104X NCF31CZ-104X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 0.1uF 16V Z	R0705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C3025	QETN1CM-106Z	E CAPACITOR	10uF 16V M	R0706	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C3026 C3027	NCF31CZ-104X NDC31HJ-7R0X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 7pF 50V J	R1097 R1104	NRSA63J-102X NRSA63J-221X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 220Ω 1/16W J
C3028	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R1105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3029 C3030	NCF31CZ-104X NCF31CZ-104X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 0.1uF 16V Z	R1107 R1110	NRSA63J-473X NRSA63J-103X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 10kΩ 1/16W J
C3030	NCF31CZ-104X	C CAPACITOR C CAPACITOR	0.1uF 16V Z	R1111	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C3031 C3032	NDC31HJ-560X NDC31HJ-330X	C CAPACITOR	56pF 50V J	R1112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C3033 C3034	NDC31HJ-560X	C CAPACITOR C CAPACITOR	33pF 50V J 56pF 50V J	R1140 R1141	NRSA63J-225X NRSA63J-221X	MG RESISTOR MG RESISTOR	2.2MΩ 1/16W J 220Ω 1/16W J
C3035	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R1142	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3036 C3037	NCF31CZ-104X NCF31CZ-104X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 0.1uF 16V Z	R1143 R1144	NRSA63J-105X NRSA63J-104X	MG RESISTOR MG RESISTOR	1MΩ 1/16W J 100kΩ 1/16W J
C3038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1145	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
C3039 C3041	NCF31CZ-104X QETN1CM-106Z	C CAPACITOR E CAPACITOR	0.1uF 16V Z 10uF 16V M	R1146 R1147	NRSA63J-682X NRSA63J-683X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 68kΩ 1/16W J
C3042	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1149	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3044 C3045	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1151 R1152	NRSA63J-302X NRSA63J-392X	MG RESISTOR MG RESISTOR	3kΩ 1/16W J 3.9kΩ 1/16W J
C3046 C3047	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1157	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3047 C3048 C3049	QETN1CM-106Z NCB31HK-472X	E CAPACITOR C CAPACITOR	10uF 16V M 4700pF 50V K	R1158 R1202	NRSA63J-221X NRSA63J-101X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 100Ω 1/16W J
C3049	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3050 C3051	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1218 R1219	NRSA63J-822X NRSA63J-331X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W J 330Ω 1/16W J
C3052	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3053 C3054	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1221 R1226	NRSA63J-101X NRSA63J-103X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 10kΩ 1/16W J
C3055 C3056	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1228	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C3056 C3057	NCB31HK-472X QETN1CM-106Z	C CAPACITOR E CAPACITOR	4700pF 50V K 10uF 16V M	R1229 R1230	NRSA63J-332X NRSA63J-101X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 100Ω 1/16W J
C3058	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1231	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3059 C3060	QETN1HM-105Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	1uF 50V M 0.1uF 16V Z	R1232 R1234	NRSA63J-222X NRSA63J-562X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 5.6kΩ 1/16W J
C3061	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R1236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C3062 C3063	NCF31CZ-104X QETN1HM-105Z	C CAPACITOR E CAPACITOR	0.1uF 16V Z 1uF 50V M	R1240 R1261	NRSA63J-0R0X NRSA63J-152X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 1.5kΩ 1/16W J
C3064	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1262	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
C3065 C3066	QETN1CM-106Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	10uF 16V M 0.1uF 16V Z	R1265 R1266	NRSA63J-103X NRSA63J-332X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 3.3kΩ 1/16W J
C3067	QETN1CM-476Z	E CAPACITOR	47uF 16V M	R1267	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C3068 C3069	NCB31HK-103X QETN1CM-476Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 47uF 16V M	R1268 R1269	NRSA63J-103X NRSA63J-332X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 3.3kΩ 1/16W J
C3070	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R1272	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C3071 C3072	QETN1CM-476Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	47uF 16V M 0.1uF 16V Z	R1282 R1283	QRE141J-221Y NRSA63J-823X	C RESISTOR MG RESISTOR	220Ω 1/4W J 82kΩ 1/16W J
C3077	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	R1284	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3078 C3079	NCF31CZ-104X NDC31HJ-470X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 47pF 50V J	R1285 R1286	NRSA63J-823X NRSA63J-221X	MG RESISTOR MG RESISTOR	82kΩ 1/16W J 220Ω 1/16W J
C3080 C3082	QBTC1CK-106Z	TA E CAPACITOR	10uF 16V K	R1287	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C3082 C3086	NDC31HJ-151X NCB31HK-152X	C CAPACITOR C CAPACITOR	150pF 50V J 1500pF 50V K	R1301 R1302	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C3088	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R1337	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C3089 C3090	NDC31HJ-100X NDC31HJ-100X	C CAPACITOR C CAPACITOR	10pF 50V J 10pF 50V J	R1347 R1372	NRSA63J-750X NRSA63J-101X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 100Ω 1/16W J
C3099	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C3100 C3501	NCB31HK-472X NCF31CZ-104X	C CAPACITOR C CAPACITOR	4700pF 50V K 0.1uF 16V Z	R1375 R1378	NRSA63J-470X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	47Ω 1/16W J 0Ω 1/16W J
C3502	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R1382	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3503 C3504	NDC31HJ-121X NDC31HJ-150X	C CAPACITOR C CAPACITOR	120pF 50V J 15pF 50V J	R1384 R1385	NRSA63J-471X NRSA63J-470X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 47Ω 1/16W J
C3506	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R1392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3507 C3508	NCF31CZ-104X NDC31HJ-101X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 100pF 50V J	R1394 R1395	NRSA63J-471X NRSA63J-470X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 47Ω 1/16W J
C3509	NDC31HJ-121X	C CAPACITOR	120pF 50V J	R1401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3510 C3512	NDC31HJ-150X NCF11CZ-475X	C CAPACITOR C CAPACITOR	15pF 50V J 4.7uF 16V Z	R1402 R1421	NRSA63J-0R0X NRSA63J-683X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 68kΩ 1/16W J
C3513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1422	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3514 C3515	NDC31HJ-101X NDC31HJ-121X	C CAPACITOR C CAPACITOR	100pF 50V J 120pF 50V J	R1423 R1501	NRSA63J-332X NRSA63J-100X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 10Ω 1/16W J
C3516	NDC31HJ-150X	C CAPACITOR	15pF 50V J	R1502	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C3518 C3519	NCF11CZ-475X QENC1CM-336Z	C CAPACITOR BP E CAPACITOR	4.7uF 16V Z 33uF 16V M	R1505 R1511	NRSA63J-102X NRSA63J-332X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 3.3kΩ 1/16W J
C3520	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M	R1513	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3521 C6001	QENC1CM-336Z QENC1HM-106Z	BP E CAPACITOR BP E CAPACITOR	33uF 16V M 10uF 50V M	R1514 R1515	NRSA63J-102X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 0Ω 1/16W J
C6002	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	R1516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6003 C6004	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M	R1517 R1518	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J
C6005	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6006 C6007	NCB31CK-273X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.027uF 16V K 10uF 50V M	R1520 R1521	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J
C6008	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R1522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6009 C6010	QETN1CM-107Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	100uF 16V M 10uF 50V M	R1523 R1524	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J
55010	2=		.00. 007 111				

RIGHT   READ   PROPERTOR   SEAL 1999   RIGHT   RIGHT   READ   READ   READ   READ   RIGHT   RIGHT   READ	⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
RESTS   MISSASS, 221X								
#1555   NRSAN   100X	R1527		MG RESISTOR		R1978		MG RESISTOR	
RESEAUL   PROPERTY	R1528		MG RESISTOR	6.8kΩ 1/16W J			UNF C RESISTOR	
RESSAL MERSAL MERCY MERSAL MERCY RESISTOR G. 68-01-1994 J. R. 1885 MERSAL MERCY MERC	R1530		MG RESISTOR	1kΩ 1/16W J	R1983	NRSA63D-222X	MG RESISTOR	
RESISTOR   ADDITION   APRISE CONTROL   APRISE CONTROL   APRICA   APRISE CONTROL   APRIS CONTROL   APRI	R1533		MG RESISTOR		R1984			
RESSON MESSASS-SEXT MC RESISTOR	R1534 R1535	NRSA63J-682X NRSA63J-221X					UNF C RESISTOR	
RESSON NRSA63-22XX MG RESISTOR 2001-1999 J R2102 NRSA63-27XX MG RESISTOR 750 11990 J R2105 NRSA63-10XX MG RESISTOR 750 11990 J R2105 NRSA63-10XX MG RESISTOR 2000-11990 J R2105 NRSA63-10XX MG RESISTOR 750-11990 J R2105 NRSA63-10XX MG RESISTOR 2000-11990 J R2105 NRSA63-10XX MG RESISTOR 2000-11990 J R2105 NRSA63-10XX MG RESISTOR 2000-11990 J R2105 NRSA63-10XX MG RESISTOR 750-11990 J R2105 NRSA63-10XX MG RESISTOR 2000-11990 J R2105 NRSA63-10XX MG RESISTOR 20	R1536	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R1991	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RESON MESABLEDOX MA RESISTOR 6.06.1 HOW J RETOR MESABLEDOX MA RESISTOR 750.1 HOW J RETOR MESABLEDOX MA RESISTOR 750.1 HOW J RETOR MESABLEDOX MA RESISTOR 200.1 HOW J RETOR MESABLEDOX MASSALEDOX MA RESIS	R1537 R1538	NRSA63J-221X NRSA63J-221X	MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J		NRSA63J-182X NRSA63J-750X	MG RESISTOR MG RESISTOR	1.8KΩ 1/16W J 75Ω 1/16W J
R-1952 MRS-843-1002X MG RESISTOR 1041-1694 J R7105 MRS-843-224X MG RESISTOR 22044-11994 J R7105 MRS-843-244X MG RESISTOR 22044-11994 J R7105 MRS-843-244X MG RESISTOR 22044-11994 J R7105 MRS-843-244X MG RESISTOR 2704-11994 J R7105 MRS-843-244X MG RESISTOR 756-11994 J R7105 MRS-843-24X MG RESISTOR 756-11994 J R7105 MRS-843-11904 MRS-843-11904 MRS-843-11904 MRS-843-11904 MRS-843-11904 MRS-843-11904 MRS-843-11904 MR	R1539	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R2103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1571   MRSASJ-090X   MG RESISTOR	R1560 R1562		MG RESISTOR				MG RESISTOR	
R1579   NRSARJ_2017	R1571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2106	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1979 MSAGAJ-221X MG RESISTOR 2004 1790 J R2125 RNSAGAJ-20X MG RESISTOR 2004 1790 J R2141 RNSAGAJ-20X MG RESISTOR 2004 1790 J R2143 RNSAGAJ-20X MG RESISTOR 2004 1790 J R2143 RNSAGAJ-20X MG RESISTOR 1004 1790 J R2144 RNSAGAJ-20X MG RESISTOR 2004 1790 J R2144 RNSAGAJ-20X MG RESISTOR 1004 1790 J R2145 RNSAGAJ-20X MG RESISTOR 2004 1790 J R2146 RNSAGAJ-20X MG RESISTOR	R1577 R1578	NRSA63J-221X NRSA63J-682X	MG RESISTOR MG RESISTOR		R2122 R2123		MG RESISTOR MG RESISTOR	75Ω 1/16W J
R1612   MRSAGSJ-80X   MG RESISTOR   5604 116W J   R2147   R1645   R1655   R1	R1579	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R2125	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1613 NRSARSJ-102X MG RESISTOR 100411/0VJ R2144 NRSARSJ-20XX MG RESISTOR 22041/0VJ R2148 NRSARSJ-102X MG RESISTOR 22041/0VJ R2148 NRSARSJ-102X MG RESISTOR 22041/0VJ R2148 NRSARSJ-102X MG RESISTOR 15041/0VJ R2148 NRSARSJ-102X MG RESISTOR 75041/0VJ R2148 NRSARSJ-102X MG RESISTOR 15041/0VJ R2148 NRSARSJ-102X MG RESISTOR 75041/0VJ R2148 NRSARSJ-102X MG RESISTOR 15041/0VJ R2148 NRSARSJ-102X MG RESISTOR 15041							MG RESISTOR MG RESISTOR	
R1615 NRSA63-195X MG RESISTOR 150,0119W J R246 NRSA63-124X MG RESISTOR 200,0119W J R1616 NRSA63-125X MG RESISTOR 200,0119W J R2325 NRSA63-175X MG RESISTOR 750,119W J R1616 NRSA63-122X MG RESISTOR 220,0119W J R2325 NRSA63-175X MG RESISTOR 750,119W J R1616 NRSA63-120X MG RESISTOR 100,0119W J R2325 NRSA63-175X MG RESISTOR 750,119W J R1619 NRSA63-120X MG RESISTOR 100,0119W J R2325 NRSA63-120X MG RESISTOR 750,119W J R2325 NRSA63-120X MG RESISTOR 750,119W J R2325 NRSA63-120X MG RESISTOR 100,0119W J R2325 NRSA63-130X MG RESISTOR 100,01	R1613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R2144	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
Refeig NRSA63-1-53X MG RESISTOR 150.11/8W J R2305 NRSA63-700X MG RESISTOR 751.1/8W J R1641 NRSA63-1-22X MG RESISTOR 150.11/8W J R2308 NRSA63-700X MG RESISTOR 751.1/8W J R1641 NRSA63-1-22X MG RESISTOR 250.11/8W J R2308 NRSA63-700X MG RESISTOR 751.1/8W J R2308 NRSA63-750X MG RESISTOR 751.1/8W J R2308 NRSA63-100X MG RESISTOR 750.1/8W J R2308 NRSA63-100X MG RESISTOR 750.1/8W J R2309 NRSA63-100X MG RESISTOR 150.1/8W J R2309 NRSA63-100X MG RESISTOR			MG RESISTOR MG RESISTOR				MG RESISTOR MG RESISTOR	
R1642 RNS-863-122X MG RESISTOR 220.119W J R2325 RNS-863-750X MG RESISTOR 750.119W J R1643 RNS-863-122X MG RESISTOR 10.119W J R2328 RNS-863-750X MG RESISTOR 750.119W J R3070 RNS-863-750X MG RESISTOR 30.119W J R3070 RNS-863-312X MG RESISTOR 30.	R1616	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R2305	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1649 NESASJ-1032 M OR RESISTOR 100.01 (1994) R2002 NESASJ-1703 M OR RESISTOR 750.116W J R1669 NESASJ-1032 M OR RESISTOR 100.01 (1994) R2002 NESASJ-1033 M OR RESISTOR 130.01 (1994) R2002 NESASJ-1033 M OR RESISTOR 130.01 (1994) R2002 NESASJ-1033 M OR RESISTOR 130.01 (1994) R2002 NESASJ-1033 M OR RESISTOR 100.01 (1994) R2002 NESASJ-1033 M OR RESISTOR 100.01 (1994) R2002 NESASJ-1034 M OR RE	R1641 R1642				R2308 R2325	NRSA63J-750X NRSA63J-750X	MG RESISTOR MG RESISTOR	
R1651 NRSA63J-102X MG RESISTOR 22b1 (1984) J R3002 NRSA63J-103X MG RESISTOR 33b1 (1984) J R1652 NRSA63J-202X MG RESISTOR 22b1 (1984) J R3003 NRSA63J-103X MG RESISTOR 3.3b1 (1984) J R1658 NRSA63J-202X MG RESISTOR 22b1 (1984) J R3004 NRSA63J-302X MG RESISTOR 3.3b1 (1984) J R3005 NRSA63J-302X MG RESISTOR 3.3b1 (1984) J R3007 NRSA63J-302X MG RESISTOR 1.5b1 (1984) J R3007 NRSA63J-302X MG RESISTOR 1.5b1 (1984) J R3007 NRSA63J-102X MG RESI	R1643	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R2328	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1652 NESA63.1-223X MG RESISTOR 22bc.11fbW.J R3000 NESA63.1-321X MG RESISTOR 1000.11fbW.J R1656 NESA63.1-313X MG RESISTOR 22bc.11fbW.J R3006 NESA63.1-313X MG RESISTOR 1000.11fbW.J R3007 NESA63.1-312X M	R1649 R1651		MG RESISTOR MG RESISTOR		R3001 R3002	NRSA63J-123X NRSA63J-333X	MG RESISTOR MG RESISTOR	
R1698 NRSA631-103X MG RESISTOR 10ku 1/16W J R3005 NRSA631-18X MG RESISTOR 10ku 1/16W J R1696 NRSA631-12Z MG RESISTOR 10ku 1/16W J R3007 NRSA631-12X MG RESISTOR 1.5ku 1/16W J R3016 NRSA631-12X MG RESISTOR 1.5ku 1/16W J R3017 NRSA631-12X MG RESISTOR 1.5ku 1/16W J R3017 NRSA631-12X MG RESISTOR 1.5ku 1/16W J R3016 NRSA631-12X MG RESISTOR 1.5ku 1/16W J R3012 NRSA631-12X MG RESISTOR 1.5ku 1/16W J R3014 NRSA631-12X MG RES	R1652	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R3003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1699 NRSA63J-103X MG RESISTOR 2 22L 116W J R3000 NRSA63J-162X MG RESISTOR 15L 116W J R1695 NRSA63J-122X MG RESISTOR 2 22L 116W J R3007 NRSA63J-102X MG RESISTOR 16L 116W J R3006 NRSA63J-102X MG RESISTOR 26L 116W J R3006 NRSA63J-102X MG RESISTOR 16L 116W J R3006 NRSA63J-102X MG RESISTOR 26L 116W J R3006 NRSA63J-102X MG RESISTOR 16L 116W J R3006 NRSA63J-102X MG RESI	R1653 R1658				R3004 R3005		MG RESISTOR MG RESISTOR	
R1666 NRSA63J-862X MG RESISTOR 6.8KL 11/6W J R3009 NRSA63J-102X MG RESISTOR 1.5kL 11/6W J R1667 NRSA63J-12X MG RESISTOR 2.2kL 11/6W J R3012 NRSA63J-12X MG RESISTOR 1.5kL 11/6W J R1668 NRSA63J-82X MG RESISTOR 2.2kL 11/6W J R3012 NRSA63J-12X MG RESISTOR 3.3kL 11/6W J R1670 NRSA63J-12X MG RESISTOR 3.3kL 11/6W J R1670 NRSA63J-82X MG RESISTOR 3.3kL 11/6W J R1670 NRSA63J-82X MG RESISTOR 3.3kL 11/6W J R3013 NRSA63J-12X MG RESISTOR 3.3kL 11/6W J R1670 NRSA63J-12X MG RESISTOR 3.3kL 11/6W J R1670 NRSA63J-12X MG RESISTOR 2.2kL 11/6W J R3016 NRSA63J-10X MG RESISTOR 100.1 /16W J R1673 ORK 12kL 10/2X J MF C RESISTOR 2.2kL 14/W J R3016 NRSA63J-10X MG RESISTOR 100.1 /16W J R1673 ORK 12kL 10/2X J J MF C RESISTOR 2.2kL 14/W J R3016 NRSA63J-10X MG RESISTOR 1.5kL 11/6W J R1673 ORK 12kL 10/2X J J MF C RESISTOR 2.2kL 14/W J R3016 NRSA63J-102X MG RESISTOR 1.5kL 11/6W J R1680 NRSA63J-102X MG RESISTOR 1.5kL 11/6W J R1681 NRSA63J-102X MG RESISTOR 1.5kL 11/6W J R1681 NRSA63J-102X MG RESISTOR 1.5kL 11/6W J R3020 NRSA63J-102X MG RESISTOR 1.5kL 11/6W J R1682 NRSA63J-102X MG RESISTOR 1.5kL 11/6W J R3020 NRSA63J-102X MG RESISTOR 1.5kL 11/6W J R1682 NRSA63J-102X MG RESISTOR 1.5kL 11/6W J R3020 NRSA63J-102X MG RESISTOR 1.5kL 11/6W J R1681 NRSA63J-102X MG RESISTOR 1.5kL 11/6W J R3020 NRSA63J-102X MG RESISTOR 1.5kL 11/6W J R1684 NRSA63J-102X MG RESISTOR 1.5kL 11/6W J R3020 NRSA63J-102X MG RESISTOR 1.2kL 11/6W J R3020 NRSA63J-102	R1659	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1667   NRSA63J-222X   MG RESISTOR   2.2kú 116W J   R3010   NRSA63J-152X   MG RESISTOR   1.5kú 116W J   R1669   NRSA63J-862X   MG RESISTOR   2.2kú 116W J   R3013   NRSA63J-132X   MG RESISTOR   1.2kú 116W J   R3013   NRSA63J-132X   MG RESISTOR   1.0kú 116W J   R3016   NRSA63J-12X   MG RESISTOR   1.0kú 116W J   R3016   NRSA63J-13X   MG RESISTOR   1.0kú 116W J   R3016   NRSA63J-10X   MG RESISTOR   1.0kú 116W J   R3020   NRSA63J-10X   MG RESISTOR   1.0kú 116W J   R3020   NRSA63J-10X   MG RESISTOR   1.0kú 116W J   R3021   NRSA63J-10X   MG RESISTOR   1.0kú 116W J   R3021   NRSA63J-10X   MG RESISTOR   1.0kú 116W J   R3022   NRSA63J-10X   MG RESISTOR   1.0kú 116W J   R3023   NRSA63J-10X   MG RESISTOR   1.0kú 116W J   R3024   NRSA63J-10X   MG RESISTOR   22kú 116W J   R3024   NRS	R1665 R1666				R3007 R3009			
R1669	R1667	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R3010	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1670 NRSA633-122X MG RESISTOR 2.241 1/4W J R3015 NRSA631-01X MG RESISTOR 1000 1/16W J R1677 QR1/461-2R2X UNF C RESISTOR 2.20 1/4W J R3015 NRSA631-181X MG RESISTOR 1800 1/16W J R1677 QR1/261-2R2X UNF C RESISTOR 2.20 1/4W J R3015 NRSA631-181X MG RESISTOR 1800 1/16W J R3016 NRSA631-182X MG RESISTOR 1800 1/16W J R3016 NRSA631-12X MG RESISTOR 1800 1/16W J R3016 NRSA631-12X MG RESISTOR 140 1/2W J R3016 NRSA631-12X MG RESISTOR 140 1/16W J R3016 NRSA631-102X MG RESISTOR 150 1/16W J R3016 NRSA631-102X	R1668 R1669							
R1672	R1670	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R3014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1673   ORK1261-102X   UNF C RESISTOR   14Ω 12W J   R3017   NRSA83J-12X   MG RESISTOR   1.5Ω 11/6W J   R1680   NRSA83J-27X   MG RESISTOR   2.7Ω 11/6W J   R3020   NRSA83J-102X   MG RESISTOR   1Ω 11/6W J   R3020   NRSA83J-102X   MG RESISTOR   1Ω 11/6W J   R3021   NRSA83J-102X   MG RESISTOR   1Ω 11/6W J   R3021   NRSA83J-102X   MG RESISTOR   1Ω 11/6W J   R3021   NRSA83J-102X   MG RESISTOR   1.5Ω 11/6W J   R3022   NRSA83J-102X   MG RESISTOR   1.5Ω 11/6W J   R3023   NRSA83J-102X   MG RESISTOR   1.5Ω 11/6W J   R3023   NRSA83J-102X   MG RESISTOR   1.5Ω 11/6W J   R3023   NRSA83J-102X   MG RESISTOR   2.2Ω 11/6W J   R3025   NRSA83J-102X   MG RESISTOR   2.2Ω 11/6W J   R3025   NRSA83J-22X   MG RESISTOR   2.2Ω 11/6W J   R3025   NRSA83J-22X   MG RESISTOR   2.2Ω 11/6W J   R3025   NRSA83J-22X   MG RESISTOR   2.2Ω 11/6W J   R3027   NRSA83J-47X   MG RESISTOR   4.7Ω 11/6W J   R3027   NRSA83J-47X   MG RESISTOR   4.7Ω 11/6W J   R3027   NRSA83J-47X   MG RESISTOR   4.7Ω 11/6W J   R3029   NRSA83J-47X   MG RESISTOR   4.7Ω 11/6W J	R1671 R1672			2.2Ω 1/4W J 2.2Ω 1/4W J			MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 180Ω 1/16W J
R1680         NRSA63J-272X         MG RESISTOR         2.7ku 1/16W J         R3020         NRSA63J-152X         MG RESISTOR         1kΩ 1/16W J           R1682         NRSA63J-103X         MG RESISTOR         10ku 1/16W J         R3021         NRSA63J-103X         MG RESISTOR         47kū 1/16W J           R1691         NRSA63J-104X         MG RESISTOR         10ku 1/16W J         R3024         NRSA63J-233X         MG RESISTOR         22kū 1/16W J           R1694         NRSA63J-16XX         MG RESISTOR         15ku 1/16W J         R3026         NRSA63J-223X         MG RESISTOR         22kū 1/16W J           R1696         NRSA63J-47X         MG RESISTOR         47ku 1/16W J         R3026         NRSA63J-223X         MG RESISTOR         22kū 1/16W J           R1696         NRSA63J-47X         MG RESISTOR         47ku 1/16W J         R3026         NRSA63J-47X         MG RESISTOR         47kū 1/16W J           R1701         NRSA63J-47X         MG RESISTOR         00 1/16W J         R3029         NRSA63J-47X         MG RESISTOR         47kū 1/16W J           R1702         NRSA63J-10X         MG RESISTOR         1000 1/16W J         R303         NRSA63J-47X         MG RESISTOR         47kū 1/16W J           R1701         NRSA63J-10X         MG RESISTOR         1000 1/	R1673	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	R3017	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1681         NRSA63J-473X         MG RESISTOR         47kg 1/16W J         R3021         NRSA63J-16XX         MG RESISTOR         1.5kΩ 1/16W J           R1691         NRSA63J-104X         MG RESISTOR         10kg 1/16W J         R3023         NRSA63J-23X         MG RESISTOR         22kΩ 1/16W J           R1691         NRSA63J-15XX         MG RESISTOR         10kg 1/16W J         R3026         NRSA63J-223X         MG RESISTOR         22kΩ 1/16W J           R1695         NRSA63J-62XX         MG RESISTOR         6.8kg 1/16W J         R3026         NRSA63J-47X         MG RESISTOR         22kΩ 1/16W J           R1696         NRSA63J-67XX         MG RESISTOR         6.8kg 1/16W J         R3026         NRSA63J-47X         MG RESISTOR         47kQ 1/16W J           R1701         NRSA63J-67XX         MG RESISTOR         0.0 1/16W J         R3029         NRSA63J-47X         MG RESISTOR         47kQ 1/16W J           R1701         NRSA63J-10XX         MG RESISTOR         0.0 1/16W J         R3029         NRSA63J-47X         MG RESISTOR         47kQ 1/16W J           R1702         NRSA63J-10XX         MG RESISTOR         1000 1/16W J         R3039         NRSA63J-17X         MG RESISTOR         1000 1/16W J           R1703         NRSA63J-17X         MG RESISTOR         27	R1674 R1680							
R1691   NRSA63.1-101X   MG RESISTOR   100ku 1/16W J   R3024   NRSA63.1-23X   MG RESISTOR   22ku 1/16W J   R1695   NRSA63.1-63X   MG RESISTOR   6.8ku 1/16W J   R3026   NRSA63.1-23X   MG RESISTOR   22ku 1/16W J   R1696   NRSA63.1-82X   MG RESISTOR   6.8ku 1/16W J   R3026   NRSA63.1-471X   MG RESISTOR   22ku 1/16W J   R1697   NRSA63.1-00X   MG RESISTOR   02 1/16W J   R3027   NRSA63.1-471X   MG RESISTOR   47ku 1/16W J   R3027   NRSA63.1-471X   MG RESISTOR   47ku 1/16W J   R1701   NRSA63.1-00X   MG RESISTOR   02 1/16W J   R3029   NRSA63.1-471X   MG RESISTOR   47ku 1/16W J   R1702   NRSA63.1-00X   MG RESISTOR   02 1/16W J   R3029   NRSA63.1-471X   MG RESISTOR   47ku 1/16W J   R1702   NRSA63.1-101X   MG RESISTOR   100u 1/16W J   R3039   NRSA63.1-101X   MG RESISTOR   47ku 1/16W J   R1712   NRSA63.1-101X   MG RESISTOR   100u 1/16W J   R3039   NRSA63.1-101X   MG RESISTOR   100u 1/16W J   R304   NR	R1681	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R3021	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1694   NRSA63,1-53X   MG RESISTOR   15kΩ 1/16W J   R3026   NRSA63,1-23X   MG RESISTOR   22kΩ 1/16W J   R1696   NRSA63,1-473X   MG RESISTOR   47kΩ 1/16W J   R3027   NRSA63,1-471X   MG RESISTOR   47kΩ 1/16W J   R3027   NRSA63,1-471X   MG RESISTOR   47kΩ 1/16W J   R3028   NRSA63,1-471X   MG RESISTOR   47kΩ 1/16W J   R3028   NRSA63,1-471X   MG RESISTOR   47kΩ 1/16W J   R3029   NRSA63,1-471X   MG RESISTOR   10kΩ 1/16W J   R3029   NRSA63,1-471X   MG RESI						NRSA63J-473X NRSA63J-223X	MG RESISTOR MG RESISTOR	
R1696   NRSA63.473X   MG RESISTOR   47kg 1/16W J   R3026   NRSA63.471X   MG RESISTOR   470g 1/16W J   R1701   NRSA63.470X   MG RESISTOR   00.116W J   R3029   NRSA63.471X   MG RESISTOR   470g 1/16W J   R1701   NRSA63.401X   MG RESISTOR   00.116W J   R3029   NRSA63.471X   MG RESISTOR   470g 1/16W J   R1703   NRSA63.401X   MG RESISTOR   100g 1/16W J   R3039   NRSA63.401X   MG RESISTOR   470g 1/16W J   R1703   NRSA63.401X   MG RESISTOR   100g 1/16W J   R3039   NRSA63.401X   MG RESISTOR   100g 1/16W J   R1703   NRSA63.401X   MG RESISTOR   100g 1/16W J   R1712   NRSA63.401X   MG RESISTOR   100g 1/16W J   R1713   NRSA63.401X   MG RESISTOR   12kg 1/16W J   R3040   NRSA63.401X   MG RESISTOR   100g 1/16W J   R1714   NRSA63.4123X   MG RESISTOR   12kg 1/16W J   R3042   NRSA63.4103X   MG RESISTOR   10kg 1/16W J   R1714   NRSA63.412X   MG RESISTOR   12kg 1/16W J   R3045   NRSA63.4103X   MG RESISTOR   10kg 1/16W J   R1715   NRSA63.412X   MG RESISTOR   4,kg 1/16W J   R3045   NRSA63.4103X   MG RESISTOR   10kg 1/16W J   R1716   NRSA63.412X   MG RESISTOR   4,kg 1/16W J   R3045   NRSA63.4103X   MG RESISTOR   20gg 1/16W J   R3046   NRSA63.4103X   MG RESISTOR   20gg 1/16W J   R3047   NRSA63.401X   MG RESISTOR   20gg 1/16W J   R3048   NRSA63.4103X   MG RESISTOR   330g 1/16W J   R1718   NRSA63.412X   MG RESISTOR   20gg 1/16W J   R3048   NRSA63.402X   MG RESISTOR   330g 1/16W J   R1995   NRSA63.421X   MG RESISTOR   20gg 1/16W J   R3050   NRSA63.403X   MG RESISTOR   56kg 1/16W J   R1996   NRSA63.421X   MG RESISTOR   20gg 1/16W J   R3050   NRSA63.403X   MG RESISTOR   56kg 1/16W J   R1996   NRSA63.412X   MG RESISTOR   20gg 1/16W J   R3050   NRSA63.403X   MG RESISTOR   56kg 1/16W J   R3050   NRSA63.403X   MG RESISTOR   10kg 1/16W J   R3050   NRSA63.403X   MG RESISTOR   10kg 1/16W J   R30	R1694	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R3025	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1697   NRSA63J-PROX   MG RESISTOR   0Ω 1/16W J   R3028   NRSA63J-471X   MG RESISTOR   4700 1/16W J   R1701   NRSA63J-070X   MG RESISTOR   1000 1/16W J   R3030   NRSA63J-471X   MG RESISTOR   4700 1/16W J   R1702   NRSA63J-101X   MG RESISTOR   1000 1/16W J   R3030   NRSA63J-471X   MG RESISTOR   4700 1/16W J   R1703   NRSA63J-101X   MG RESISTOR   4700 1/16W J   R1712   NRSA63J-101X   MG RESISTOR   27140 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   1000 1/16W J   R1712   NRSA63J-123X   MG RESISTOR   27140 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   1000 1/16W J   R1714   NRSA63J-123X   MG RESISTOR   12140 1/16W J   R3042   NRSA63J-101X   MG RESISTOR   1000 1/16W J   R1715   NRSA63J-123X   MG RESISTOR   12140 1/16W J   R3047   NRSA63J-101X   MG RESISTOR   1000 1/16W J   R1715   NRSA63J-102X   MG RESISTOR   12140 1/16W J   R3047   NRSA63J-21X   MG RESISTOR   2200 1/16W J   R3048   NRSA63J-21X   MG RESISTOR   1000 1/16W J   R1716   NRSA63J-102X   MG RESISTOR   114 1/16W J   R3047   NRSA63J-21X   MG RESISTOR   2200 1/16W J   R3049   NRSA63J-31X   MG RESISTOR   2300 1/16W J   R3049   NRSA63J-21X   MG RESISTOR   2200 1/16W J   R3049   NRSA63J-603X   MG RESISTOR   1000 1/16W J   R3049   NRSA63J-103X   MG RESISTOR   1000 1/16W J   R3049   NRSA63J-10								
R1702   NRSA63J-101X   MG RESISTOR   1000 11/6W J   R3030   NRSA63J-101X   MG RESISTOR   4700 11/6W J   R3040   NRSA63J-101X   MG RESISTOR   1000 11/6W J   R3141   R3040   NRSA63J-101X   MG RESISTOR   1000 11/6W J   R3141   R3040   NRSA63J-103X   MG RESISTOR   1000 11/6W J   R3141   NRSA63J-123X   MG RESISTOR   12k0 11/6W J   R3042   NRSA63J-103X   MG RESISTOR   10k0 11/6W J   R3141   NRSA63J-123X   MG RESISTOR   12k0 11/6W J   R3045   NRSA63J-103X   MG RESISTOR   10k0 11/6W J   R1714   NRSA63J-123X   MG RESISTOR   12k0 11/6W J   R3045   NRSA63J-101X   MG RESISTOR   10k0 11/6W J   R1715   NRSA63J-102X   MG RESISTOR   1k0 11/6W J   R3047   NRSA63J-31X   MG RESISTOR   2000 11/6W J   R3049   NRSA63J-31X   MG RESISTOR   3000 11/6W J   R1718   NRSA63J-21X   MG RESISTOR   2000 11/6W J   R3049   NRSA63J-31X   MG RESISTOR   50k0 11/6W J   R1895   NRSA63J-221X   MG RESISTOR   2000 11/6W J   R3050   NRSA63J-63X   MG RESISTOR   50k0 11/6W J   R1896   NRSA63J-221X   MG RESISTOR   2000 11/6W J   R3050   NRSA63J-33X   MG RESISTOR   50k0 11/6W J   R1898   NRSA63J-221X   MG RESISTOR   2000 11/6W J   R3050   NRSA63J-33X   MG RESISTOR   30k0 11/6W J   R1898   NRSA63J-221X   MG RESISTOR   2000 11/6W J   R3050   NRSA63J-33X   MG RESISTOR   30k0 11/6W J   R1898   NRSA63J-221X   MG RESISTOR   50k0 11/6W J   R3050   NRSA63J-63X   MG RESISTOR   30k0 11/6W J   R1898   NRSA63J-63X   MG RESISTOR   50k0 11/6W J   R3050   NRSA63J-63X   MG RESISTOR   30k0 11/6W J   R1898   NRSA63J-63X   MG RESISTOR   50k0 11/6W J   R3050   NRSA63J-10X   MG RESISTOR   10k0 11/6W J   R1990   NRSA63J-63X   MG RESISTOR   50k0 11/6W J   R3050   NRSA63J-10X   MG RESISTOR   10k0 11/6W J   R1990   NRSA63J-10X   MG RESISTOR   50k0 11/6W J   R3050   NRSA63J-10X   MG RESISTOR   10k0 11/6W J   R1994   NRSA63J-10X   MG RESISTOR   10k0 11/6W J   R1995   NRSA63J-10X   MG RESISTOR   10k0 11/6W J   R1995   NRSA63J-10X	R1697	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3028	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1703   NRSA63.1-01X   MG RESISTOR   1000.11/16W J   R3039   NRSA63.1-101X   MG RESISTOR   1000.11/16W J   R1713   NRSA63.1-23X   MG RESISTOR   12k0.11/16W J   R3042   NRSA63.1-103X   MG RESISTOR   10k0.11/16W J   R1713   NRSA63.1-23X   MG RESISTOR   12k0.11/16W J   R3045   NRSA63.1-103X   MG RESISTOR   10k0.11/16W J   R1715   NRSA63.1-23X   MG RESISTOR   12k0.11/16W J   R3045   NRSA63.1-103X   MG RESISTOR   10k0.11/16W J   R1715   NRSA63.1-472X   MG RESISTOR   4.7k0.11/16W J   R3045   NRSA63.1-21X   MG RESISTOR   2200.11/16W J   R1716   NRSA63.1-472X   MG RESISTOR   11k0.11/16W J   R3049   NRSA63.1-103X   MG RESISTOR   3000.11/16W J   R1716   NRSA63.1-472X   MG RESISTOR   4.7k0.11/16W J   R3049   NRSA63.1-103X   MG RESISTOR   3000.11/16W J   R1895   NRSA63.1-221X   MG RESISTOR   2200.11/16W J   R3050   NRSA63.1-563X   MG RESISTOR   56k0.11/16W J   R1895   NRSA63.1-221X   MG RESISTOR   2200.11/16W J   R3051   NRSA63.1-23X   MG RESISTOR   56k0.11/16W J   R1897   NRSA63.1-221X   MG RESISTOR   2200.11/16W J   R3052   NRSA63.1-23X   MG RESISTOR   3300.11/16W J   R1898   NRSA63.1-221X   MG RESISTOR   2200.11/16W J   R3052   NRSA63.1-23X   MG RESISTOR   3300.11/16W J   R1899   NRSA63.1-563X   MG RESISTOR   56k0.11/16W J   R3053   NRSA63.1-23X   MG RESISTOR   3300.11/16W J   R1899   NRSA63.1-563X   MG RESISTOR   56k0.11/16W J   R3053   NRSA63.1-23X   MG RESISTOR   300.11/16W J   R1942   NRSA63.1-63X   MG RESISTOR   56k0.11/16W J   R3054   NRSA63.1-23X   MG RESISTOR   10k0.11/16W J   R1942   NRSA63.5-63X   MG RESISTOR   56k0.11/16W J   R3054   NRSA63.1-23X   MG RESISTOR   68k0.11/16W J   R3054   NRSA63.1-23X   MG RESISTOR   10k0.11/16W J   R1942   NRSA63.1-23X   MG RESISTOR   56k0.11/16W J   R3054   NRSA63.1-23X   MG RESISTOR   10k0.11/16W J   R1943   NRSA63.1-23X   MG RESISTOR   12k0.11/16W J   R3056   NRSA63.1-102X   MG RESISTOR   10k0.11/16W J   R1943   NRSA63.1-23X   MG RESISTOR   12k0.11/16W J   R3056   NRSA63.1-102X   MG RESISTOR   10k0.11/16W J   R1945   NRSA63.1-22X   MG RESISTOR   12k0.11/16W J   R3066   NR								
R7173   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R3042   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R7174   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R3045   NRSA63J-101X   MG RESISTOR   10kΩ 1/16W J   R7175   NRSA63J-472X   MG RESISTOR   4.7kΩ 1/16W J   R3047   NRSA63J-21X   MG RESISTOR   20Ω 1/16W J   R7178   NRSA63J-472X   MG RESISTOR   1kΩ 1/16W J   R3048   NRSA63J-331X   MG RESISTOR   330Ω 1/16W J   R7178   NRSA63J-472X   MG RESISTOR   1.7kΩ 1/16W J   R3049   NRSA63J-31X   MG RESISTOR   330Ω 1/16W J   R7178   NRSA63J-472X   MG RESISTOR   220Ω 1/16W J   R3059   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R7178   NRSA63J-21X   MG RESISTOR   220Ω 1/16W J   R3051   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R7178   NRSA63J-21X   MG RESISTOR   220Ω 1/16W J   R3051   NRSA63J-31X   MG RESISTOR   330Ω 1/16W J   R7189   NRSA63J-21X   MG RESISTOR   220Ω 1/16W J   R3052   NRSA63J-31X   MG RESISTOR   330Ω 1/16W J   R7189   NRSA63J-21X   MG RESISTOR   220Ω 1/16W J   R3052   NRSA63J-31X   MG RESISTOR   330Ω 1/16W J   R7189   NRSA63J-63X   MG RESISTOR   220Ω 1/16W J   R3053   NRSA63J-12X   MG RESISTOR   12kΩ 1/16W J   R7190   NRSA63J-63X   MG RESISTOR   56kΩ 1/16W J   R7190   NRSA63J-63X   MG RESISTOR   56kΩ 1/16W J   R7190   NRSA63J-63X   MG RESISTOR   56kΩ 1/16W J   R7190   NRSA63J-12X   MG RESISTOR   12kΩ 1/16W J   R71942   NRSA63J-12X   MG RESISTOR   12kΩ 1/16W J   R71943   NRSA63J-12X   MG RESISTOR   12kΩ 1/16W J   R71945   NRSA63J-10X   MG RESISTOR   12kΩ 1/16W J   R71949   NRSA63J-10X   MG RESISTOR   12kΩ 1/16W J   R71949   NRSA63J-10X   MG RESISTOR   12kΩ 1/16W J   R71949   NRSA63J-10X   MG RESISTOR   12kΩ 1/16W J   R71953   NRSA63J-10X   MG RESI	R1703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3039	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1714   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R3045   NRSA63J-101X   MG RESISTOR   100k1 1/16W J   R1716   NRSA63J-21X   MG RESISTOR   4.7kΩ 1/16W J   R3047   NRSA63J-21X   MG RESISTOR   330Ω 1/16W J   R1718   NRSA63J-22X   MG RESISTOR   4.7kΩ 1/16W J   R3048   NRSA63J-331X   MG RESISTOR   330Ω 1/16W J   R1895   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3050   NRSA63J-104X   MG RESISTOR   100k1 1/16W J   R1896   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3050   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R1896   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3051   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R1897   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3052   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R1898   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3052   NRSA63J-123X   MG RESISTOR   330Ω 1/16W J   R1898   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3053   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R1899   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3053   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R1902   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3054   NRSA63J-103X   MG RESISTOR   12kΩ 1/16W J   R3054   NRSA63J-103X   MG RESISTOR   12kΩ 1/16W J   R3055   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R1942   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R3055   NRSA63J-102X   MG RESISTOR   12kΩ 1/16W J   R3054   NRSA63J-102X   MG RESISTOR   12kΩ 1/16W J   R3059   NRSA63J-102X   MG RESISTOR   12kΩ 1/16W J   R3065   NRSA63J-102X   MG RESISTOR   12kΩ 1/16W J   R3066   NRSA63J-102X   MG RESISTOR   12kΩ 1/16W J   R3066   NRSA63J-102X   MG RESISTOR   10kΩ 1/16W J   R3069   NRSA63J-102X   MG RESISTOR   10kΩ 1/16W J   R3069   NRSA63J-101X   MG RESISTOR   10kΩ 1/16W J   R3099   NRSA63J-102X   MG RESISTOR   10kΩ 1/16W J   R3099   NRSA63J-102X   MG RESISTOR   10kΩ 1/16W J   R3099   NRSA63J-101X   MG RESISTOR   10kΩ 1/16W J   R3099   NRSA63	R1712 R1713		MG RESISTOR MG RESISTOR		R3040 R3042			100Ω 1/16W J 10kΩ 1/16W J
R1716   NRSA63J-102X   MG RESISTOR   1,	R1714	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R3045	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1718   NRSA63J-472X   MG RESISTOR   4.7kΩ 1/16W J   R3059   NRSA63J-104X   MG RESISTOR   10kΩ 1/16W J   R1895   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3050   NRSA63J-223X   MG RESISTOR   56kΩ 1/16W J   R1896   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3051   NRSA63J-123X   MG RESISTOR   330Ω 1/16W J   R1897   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3052   NRSA63J-123X   MG RESISTOR   330Ω 1/16W J   R1898   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3053   NRSA63J-123X   MG RESISTOR   330Ω 1/16W J   R1899   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3054   NRSA63J-103X   MG RESISTOR   12kΩ 1/16W J   R3055   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R1900   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3055   NRSA63J-102X   MG RESISTOR   6.8kΩ 1/16W J   R1942   NRSA63D-122X   MG RESISTOR   1.2kΩ 1/16W D   R3058   NRSA63J-102X   MG RESISTOR   1.2kΩ 1/16W D   R3058   NRSA63J-102X   MG RESISTOR   1.2kΩ 1/16W J   R3059   NRSA63J-102X   MG RESISTOR   1.2kΩ 1/16W J   R3050   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R1949   NRSA63D-122X   MG RESISTOR   1.2kΩ 1/16W J   R3050   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R1949   NRSA63D-122X   MG RESISTOR   1.2kΩ 1/16W J   R3050   NRSA63J-102X   MG RESISTOR   1.00Ω 1/16W J   R1950   NRSA63D-122X   MG RESISTOR   1.2kΩ 1/16W J   R3050   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R1950   NRSA63D-102X   MG RESISTOR   1.2kΩ 1/16W J   R3050   NRSA63J-102X   MG RESISTOR   1.00Ω 1/16W J   R1950   NRSA63J-102X   MG RESISTOR   1.2kΩ 1/16W J   R3050   NRSA63J-102X   MG RESISTOR   1.00Ω 1/16W J   R1950   NRSA63J-102X   MG RESISTOR   1.2kΩ 1/16W J   R3050   NRSA63J-102X   MG RESISTOR   1.00Ω	R1715 R1716		MG RESISTOR				MG RESISTOR MG RESISTOR	
R1896   NRSA63J-221X   MG RESISTOR   2200 1/16W J   R3051   NRSA63J-123X   MG RESISTOR   12k0 1/16W J   R1897   NRSA63J-221X   MG RESISTOR   2200 1/16W J   R3052   NRSA63J-331X   MG RESISTOR   3300 1/16W J   R1898   NRSA63J-221X   MG RESISTOR   2200 1/16W J   R3053   NRSA63J-123X   MG RESISTOR   12k0 1/16W J   R1899   NRSA63J-563X   MG RESISTOR   56k0 1/16W J   R3054   NRSA63J-103X   MG RESISTOR   10k0 1/16W J   R1900   NRSA63J-563X   MG RESISTOR   56k0 1/16W J   R3055   NRSA63J-103X   MG RESISTOR   6.8k0 1/16W J   R1900   NRSA63J-122X   MG RESISTOR   12k0 1/16W D   R3058   NRSA63J-102X   MG RESISTOR   6.8k0 1/16W J   R1942   NRSA63D-123X   MG RESISTOR   12k0 1/16W D   R3058   NRSA63J-102X   MG RESISTOR   1k0 1/16W J   R1943   NRSA63D-122X   MG RESISTOR   12k0 1/16W D   R3059   NRSA63J-102X   MG RESISTOR   1k0 1/16W J   R1945   NRSA63J-102X   MG RESISTOR   1k0 1/16W J   R3065   NRSA63J-101X   MG RESISTOR   1.8k0 1/16W J   R1946   NRSA63J-102X   MG RESISTOR   1k0 1/16W J   R3065   NRSA63J-101X   MG RESISTOR   1000 1/16W J   R1946   NRSA63J-102X   MG RESISTOR   1.2k0 1/16W J   R3066   NRSA63J-101X   MG RESISTOR   1000 1/16W J   R1949   NRSA63D-122X   MG RESISTOR   1.2k0 1/16W D   R3503   NRSA63J-101X   MG RESISTOR   1000 1/16W J   R1950   NRSA63J-31X   MG RESISTOR   3200 1/16W J   R3503   NRSA63J-182X   MG RESISTOR   1000 1/16W J   R1952   NRSA63J-31X   MG RESISTOR   3200 1/16W J   R3503   NRSA63J-181X   MG RESISTOR   1800 1/16W J   R1957   NRSA63D-82X   MG RESISTOR   220k0 1/16W J   R3507   NRSA63J-102X   MG RESISTOR   1000 1/16W J   R1959   NRSA63J-182X   MG RESISTOR   1.8k0 1/16W J   R3507   NRSA63J-102X   MG RESISTOR   1000 1/16W J   R1959   NRSA63J-182X   MG RESISTOR   1.8k0 1/16W J   R3507   NRSA63J-102X   MG RESISTOR   1000 1/16W J   R1969   NRSA63J-102X   MG RESISTOR   1.8k0 1/16W J   R3507   NRSA63J-102X   MG RESISTOR   1.8k0 1/16W J   R3508   NRSA63J-100X   MG RESISTOR   2.2k0 1/16W J   R3508   NRSA63J-100X   MG RESISTOR   2.2k0 1/16W J   R3510   NRSA63J-100X   MG RESISTOR   1.8k0 1/16W J   R3510   N	R1718	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3049	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1897   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3052   NRSA63J-331X   MG RESISTOR   330Ω 1/16W J   R1898   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3053   NRSA63J-103X   MG RESISTOR   12kΩ 1/16W J   R1999   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3054   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R1990   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3055   NRSA63J-682X   MG RESISTOR   6.8kΩ 1/16W J   R3058   NRSA63J-102X   MG RESISTOR   10kΩ 1/16W J   R1943   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W D   R3058   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R1944   QRK126J-220X   UNF C RESISTOR   12kΩ 1/16W D   R3059   NRSA63J-102X   MG RESISTOR   11kΩ 1/16W J   R3056   NRSA63J-102X   MG RESISTOR   11kΩ 1/16W J   R3056   NRSA63J-102X   MG RESISTOR   10kΩ 1/16W J   R3056   NRSA63J-101X   MG RESISTOR   10kΩ 1/16W J   R3050   NRSA63J-102X   MG RESISTOR   10kΩ 1/16W J   R3050   NRSA		NRSA63J-221X NRSA63J-221X						
R1899   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3054   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R1900   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3055   NRSA63J-103X   MG RESISTOR   6.8kΩ 1/16W J   R1942   NRSA63D-122X   MG RESISTOR   1.2kΩ 1/16W D   R3058   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R1943   NRSA63D-123X   MG RESISTOR   12kΩ 1/16W D   R3059   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3054   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3059   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3059   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3059   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3050   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3051   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3051   NRSA63J-102X   MG RESISTOR   1.00Ω 1/16W J   R3065   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R3066   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R3066   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R3050   NRSA63J-822X   MG RESISTOR   1.2kΩ 1/16W D   R3502   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R3052   NRSA63J-331X   MG RESISTOR   330Ω 1/16W D   R3503   NRSA63J-101X   MG RESISTOR   1.8kΩ 1/16W J   R3504   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R3505   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R3505   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R3505   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R3507   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R3507   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R3507   NRSA63J-101X   MG RESISTOR   0.00 1/16W J   R3501   NRSA63J-102X   MG RESISTOR   1.00Ω 1/16	R1897	NRSA63J-221X	MG RESISTOR		R3052		MG RESISTOR	
R1900   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3055   NRSA63J-682X   MG RESISTOR   6.8kΩ 1/16W J   R1942   NRSA63D-122X   MG RESISTOR   1.2kΩ 1/16W D   R3059   NRSA63J-102X   MG RESISTOR   1.kΩ 1/16W J   R1943   NRSA63J-102X   MG RESISTOR   12kΩ 1/16W D   R3059   NRSA63J-102X   MG RESISTOR   1.kΩ 1/16W J   R3059   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3060   NRSA63J-182X   MG RESISTOR   1.8kΩ 1/16W J   R3065   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3066   NRSA63J-102X   MG RESISTOR   1.0kΩ 1/16W J   R3066   NRSA63J-101X   MG RESISTOR   1.0kΩ 1/16W J   R3066   NRSA63J-331X   MG RESISTOR   3.0kΩ 1/16W J   R3503   NRSA63J-182X   MG RESISTOR   1.0kΩ 1/16W J   R3503   NRSA63J-182X   MG RESISTOR   1.0kΩ 1/16W J   R3504   NRSA63J-101X   MG RESISTOR   1.0kΩ 1/16W J   R3503   NRSA63J-101X   MG RESISTOR   1.0kΩ 1/16W J   R3504   NRSA63J-101X   MG RESISTO	R1899	NRSA63J-563X		56kΩ 1/16W J			MG RESISTOR	
R1943   NRSA63D-123X   MG RESISTOR   12kΩ 1/16W D   R3059   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R1944   QRK126J-220X   UNF C RESISTOR   22Ω 1/2W J   R3060   NRSA63J-182X   MG RESISTOR   1.8kΩ 1/16W J   R1945   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3065   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1946   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W D   R3502   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1949   NRSA63D-122X   MG RESISTOR   1.2kΩ 1/16W D   R3502   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1950   NRSA63D-822X   MG RESISTOR   8.2kΩ 1/16W D   R3503   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3504   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3504   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3505   NRSA63J-103X   MG RESISTOR   1.8kΩ 1/16W J   R3505   NRSA63J-103X   MG RESISTOR   1.0kΩ 1/16W J   R3505   NRSA63J-103X   MG RESISTOR   1.0kΩ 1/16W J   R3507   NRSA63J-103X   MG RESISTOR   1.0kΩ 1/16W J   R3508   NRSA63J-103X   MG RESISTOR   1.0kΩ 1/16W J   R3518   NRSA63J-103X   MG RESISTOR   1.0kΩ 1/16W J   R3519   NRSA63J-103X   MG RESISTOR   1.0kΩ 1/16W J   R3521   NRSA63J-103X   MG RESISTOR   1.0kΩ 1/16W J   R3521   NRSA63J-103X   MG RESISTOR   1.	R1900	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R3055	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
ΔR1944         QRK126J-220X         UNF C RESISTOR         22Ω 1/2W J         R3060         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J           R1945         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J         R3065         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           R1946         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J         R3066         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           R1949         NRSA63D-122X         MG RESISTOR         1.2kΩ 1/16W D         R3502         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           R1950         NRSA63D-822X         MG RESISTOR         8.2kΩ 1/16W D         R3503         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J           R1952         NRSA63J-331X         MG RESISTOR         330Ω 1/16W J         R3504         NRSA63J-181X         MG RESISTOR         180Ω 1/16W J           R1953         NRSA63J-224X         MG RESISTOR         220kΩ 1/16W J         R3505         NRSA63J-101X         MG RESISTOR         10kΩ 1/16W J           R1957         NRSA63D-682X         MG RESISTOR         220kΩ 1/16W J         R3507         NRSA63J-101X         MG RESISTOR         10kΩ 1/16W J           R1959         NRSA63D-182X         MG RESISTOR							MG RESISTOR	
R1946         NRSA63J-102X         MG RESISTOR $1 k\Omega$ 1/16W J         R3066         NRSA63J-101X         MG RESISTOR $100\Omega$ 1/16W J           R1949         NRSA63D-122X         MG RESISTOR         1.2kΩ 1/16W D         R3502         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           R1950         NRSA63D-822X         MG RESISTOR         8.2kΩ 1/16W D         R3503         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J           R1952         NRSA63J-331X         MG RESISTOR         330Ω 1/16W J         R3504         NRSA63J-181X         MG RESISTOR         180Ω 1/16W J           R1953         NRSA63J-224X         MG RESISTOR         220kΩ 1/16W J         R3505         NRSA63J-103X         MG RESISTOR         10kΩ 1/16W J           R1957         NRSA63D-682X         MG RESISTOR         6.8kΩ 1/16W D         R3507         NRSA63J-101X         MG RESISTOR         10kΩ 1/16W J           R1959         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W D         R3508         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           R1961         NRSA63J-562X         MG RESISTOR         1kΩ 1/16W J         R3511         NRSA63J-0R0X         MG RESISTOR         2.2kΩ 1/16W J           R1962         NRSA63J-82X         MG RESISTOR							MG RESISTOR	
R1949       NRSA63D-122X       MG RESISTOR       1.2kΩ 1/16W D       R3502       NRSA63J-101X       MG RESISTOR       1.00Ω 1/16W J         R1950       NRSA63D-822X       MG RESISTOR       8.2kΩ 1/16W D       R3503       NRSA63J-182X       MG RESISTOR       1.8kΩ 1/16W J         R1952       NRSA63J-331X       MG RESISTOR       330Ω 1/16W J       R3504       NRSA63J-181X       MG RESISTOR       180Ω 1/16W J         R1953       NRSA63J-224X       MG RESISTOR       220kΩ 1/16W J       R3505       NRSA63J-103X       MG RESISTOR       100Ω 1/16W J         R1957       NRSA63D-682X       MG RESISTOR       6.8kΩ 1/16W D       R3507       NRSA63J-101X       MG RESISTOR       100Ω 1/16W J         R1959       NRSA63D-182X       MG RESISTOR       1.8kΩ 1/16W D       R3508       NRSA63J-0R0X       MG RESISTOR       0Ω 1/16W J         R1961       NRSA63J-102X       MG RESISTOR       1.kΩ 1/16W J       R3509       NRSA63J-0R0X       MG RESISTOR       2.2kΩ 1/16W J         R1962       NRSA63J-182X       MG RESISTOR       5.6kΩ 1/16W J       R3511       NRSA63J-0R0X       MG RESISTOR       0Ω 1/16W J         R1963       NRSA63J-182X       MG RESISTOR       5.6kΩ 1/16W J       R3511       NRSA63J-10X       MG RESISTOR       68Ω 1/16W J </td <td>R1946</td> <td>NRSA63J-102X</td> <td></td> <td></td> <td>R3066</td> <td></td> <td></td> <td></td>	R1946	NRSA63J-102X			R3066			
R1952   NRSA63J-331X   MG RESISTOR   330Ω 1/16W J   R3504   NRSA63J-181X   MG RESISTOR   180Ω 1/16W J   R1953   NRSA63J-224X   MG RESISTOR   220kΩ 1/16W J   R3505   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R1957   NRSA63D-682X   MG RESISTOR   6.8kΩ 1/16W D   R3507   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1959   NRSA63D-182X   MG RESISTOR   1.8kΩ 1/16W D   R3508   NRSA63J-0R0X   MG RESISTOR   0Ω 1/16W J   R1961   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3509   NRSA63J-0R0X   MG RESISTOR   2.2kΩ 1/16W J   R1962   NRSA63J-562X   MG RESISTOR   5.6kΩ 1/16W J   R3511   NRSA63J-0R0X   MG RESISTOR   0Ω 1/16W J   R1963   NRSA63J-182X   MG RESISTOR   1.8kΩ 1/16W J   R3516   NRSA63J-680X   MG RESISTOR   68Ω 1/16W J   R1964   NRSA63J-122X   MG RESISTOR   2.2kΩ 1/16W J   R3518   NRSA63J-101X   MG RESISTOR   68Ω 1/16W J   R1965   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3519   NRSA63J-182X   MG RESISTOR   1.8kΩ 1/16W J   R1966   NRSA63J-102X   MG RESISTOR   8.2kΩ 1/16W J   R3520   NRSA63J-182X   MG RESISTOR   1.8kΩ 1/16W J   R1967   NRSA63J-122X   MG RESISTOR   1.2kΩ 1/16W J   R3521   NRSA63J-103X   MG RESISTOR   1.8kΩ 1/16W J   R1967   NRSA63J-122X   MG RESISTOR   1.2kΩ 1/16W J   R3521   NRSA63J-103X   MG RESISTOR   1.0kΩ 1/16W J   R1968   NRSA63J-102X   MG RESISTOR   1.2kΩ 1/16W J   R3521   NRSA63J-103X   MG RESISTOR   1.0kΩ 1/16W J   R1968   NRSA63J-102X   MG RESISTOR   1.2kΩ 1/16W J   R3523   NRSA63J-101X   MG RESISTOR   1.0kΩ 1/16W J   R1968   NRSA63J-102X   MG RESISTOR   1.0kΩ 1/16W J   R1968   NRSA63J-101X   MG RESISTOR   1.0kΩ	R1949	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D	R3502		MG RESISTOR	
R1957 NRSA63D-682X MG RESISTOR 6.8kΩ 1/16W D R3507 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R1959 NRSA63D-182X MG RESISTOR 1.8kΩ 1/16W D R3508 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J R1961 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R3509 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J R3509 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J R3511 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J R3511 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J R3514 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J R3516 NRSA63J-680X MG RESISTOR 68Ω 1/16W J R3516 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R3518 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R3518 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R3518 NRSA63J-101X MG RESISTOR 1.8kΩ 1/16W J R3516 NRSA63J-102X MG RESISTOR 1.8kΩ 1/16W J R3519 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J R3519 NRSA63J-102X MG RESISTOR 1.8kΩ 1/16W J R3519 NRSA63J-102X MG RESISTOR 1.8kΩ 1/16W J R3520 NRSA63J-103X MG RESISTOR 180Ω 1/16W J R3619 NRSA63J-102X MG RESISTOR 1.2kΩ 1/16W J R3521 NRSA63J-103X MG RESISTOR 10kΩ 1/16W J R368 NRSA63J-102X MG RESISTOR 1.2kΩ 1/16W J R3523 NRSA63J-101X MG RESISTOR 10kΩ 1/16W J R368 NRSA63J-102X MG RESISTOR 10kΩ 1/16W J R3523 NRSA63J-101X MG RESISTOR 10kΩ 1/16W J R368 NRSA63J-102X MG RESISTOR 10kΩ 1/16W J R3523 NRSA63J-101X MG RESISTOR 10kΩ 1/16W J R368 NRSA63J-102X MG RESISTOR 10kΩ 1/16W J R3523 NRSA63J-101X MG RESISTOR 10kΩ 1/16W J R368 NRSA63J-101X MG RESISTOR 10kΩ 1/	R1952	NRSA63J-331X	MG RESISTOR		R3504	NRSA63J-181X	MG RESISTOR	
R1959         NRSA63D-182X         MG RESISTOR         1.8kΩ 1/16W D         R3508         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           R1961         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J         R3509         NRSA63J-222X         MG RESISTOR         2.2kΩ 1/16W J           R1962         NRSA63J-562X         MG RESISTOR         5.6kΩ 1/16W J         R3511         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           R1963         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J         R3516         NRSA63J-680X         MG RESISTOR         68Ω 1/16W J           R1964         NRSA63J-102X         MG RESISTOR         22kΩ 1/16W J         R3518         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           R1965         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J         R3519         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J           R1966         NRSA63J-822X         MG RESISTOR         8.2kΩ 1/16W J         R3520         NRSA63J-103X         MG RESISTOR         180Ω 1/16W J           R1967         NRSA63J-102X         MG RESISTOR         1.2kΩ 1/16W J         R3521         NRSA63J-103X         MG RESISTOR         10kΩ 1/16W J           R1968         NRSA63J-102X         MG RESISTOR			MG RESISTOR		R3505			
R1961         NRSA63J-102X         MG RESISTOR $1 k\Omega$ 1/16W J         R3509         NRSA63J-222X         MG RESISTOR         2.2kΩ 1/16W J           R1962         NRSA63J-562X         MG RESISTOR         5.6kΩ 1/16W J         R3511         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           R1963         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J         R3516         NRSA63J-680X         MG RESISTOR         68Ω 1/16W J           R1964         NRSA63J-223X         MG RESISTOR         22kΩ 1/16W J         R3518         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           R1965         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J         R3519         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J           R1966         NRSA63J-822X         MG RESISTOR         8.2kΩ 1/16W J         R3520         NRSA63J-181X         MG RESISTOR         180Ω 1/16W J           R1967         NRSA63J-122X         MG RESISTOR         1.2kΩ 1/16W J         R3521         NRSA63J-103X         MG RESISTOR         10kΩ 1/16W J           R1968         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J         R3523         NRSA63J-101X         MG RESISTOR         10kΩ 1/16W J	R1959	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	R3508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1963 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J R3516 NRSA63J-680X MG RESISTOR 68Ω 1/16W J R1964 NRSA63J-223X MG RESISTOR 22kΩ 1/16W J R3518 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R1965 NRSA63J-102X MG RESISTOR 1 kΩ 1/16W J R3519 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J R1966 NRSA63J-822X MG RESISTOR 8.2kΩ 1/16W J R3520 NRSA63J-181X MG RESISTOR 180Ω 1/16W J R1967 NRSA63J-122X MG RESISTOR 1.2kΩ 1/16W J R3521 NRSA63J-103X MG RESISTOR 10kΩ 1/16W J R1968 NRSA63J-102X MG RESISTOR 1 kΩ 1/16W J R3523 NRSA63J-101X MG RESISTOR 100Ω 1/16W J	R1961	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3509	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1964       NRSA63J-223X       MG RESISTOR $22k\Omega$ 1/16W J       R3518       NRSA63J-101X       MG RESISTOR $100\Omega$ 1/16W J         R1965       NRSA63J-102X       MG RESISTOR $1k\Omega$ 1/16W J       R3519       NRSA63J-182X       MG RESISTOR $1.8k\Omega$ 1/16W J         R1966       NRSA63J-122X       MG RESISTOR $8.2k\Omega$ 1/16W J       R3520       NRSA63J-103X       MG RESISTOR $180\Omega$ 1/16W J         R1967       NRSA63J-102X       MG RESISTOR $1.2k\Omega$ 1/16W J       R3521       NRSA63J-103X       MG RESISTOR $10k\Omega$ 1/16W J         R1968       NRSA63J-102X       MG RESISTOR $1k\Omega$ 1/16W J       R3523       NRSA63J-101X       MG RESISTOR $100\Omega$ 1/16W J					R3516			
R1966 NRSA63J-822X MG RESISTOR 8.2kΩ 1/16W J R3520 NRSA63J-181X MG RESISTOR 180Ω 1/16W J R1967 NRSA63J-122X MG RESISTOR 1.2kΩ 1/16W J R3521 NRSA63J-103X MG RESISTOR 10kΩ 1/16W J R1968 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R3523 NRSA63J-101X MG RESISTOR 100Ω 1/16W J	R1964	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R3518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1967 NRSA63J-122X MG RESISTOR 1.2kΩ 1/16W J R3521 NRSA63J-103X MG RESISTOR 10kΩ 1/16W J R1968 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R3523 NRSA63J-101X MG RESISTOR 100Ω 1/16W J		NRSA63J-822X						
R1969 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R3525 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J	R1967	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	R3521	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
	R1969				R3525			

ÆRef No.	Part No.	Part Name	Description Local
R3532 R3534 R3535 R3536 R3537 R3539 R3541 R3548 R3549 R3550 R3551 R3552 R3553 R3554 R3555 R6001 R6002 R6003 R6004 R6006 R6007 R6008 R6009 RA3001 RA3002 RA3001 RA3002 RA3003 RA3004	NRSA63J-680X NRSA63J-101X NRSA63J-182X NRSA63J-181X NRSA63J-101X NRSA63J-101X NRSA63J-222X NRSA63J-222X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X	MG RESISTOR MET RESISTOR NET RESISTOR NET RESISTOR	68\(\Omega\$ 1/16\(W\) J 100\(\Omega\$ 1/16\(W\) J 1.8k\(\Omega\$ 1/16\(W\) J 10k\(\Omega\$ 1/16\(W\) J 10k\(\Omega\$ 1/16\(W\) J 10k\(\Omega\$ 1/16\(W\) J 22k\(\Omega\$ 1/16\(W\) J 10k\(\Omega\$ 1/16\(W\) J 10k\(\Omega\$ 1/16\(W\) J 10k\(\Omega\$ 1/16\(W\) J 10k\(\Omega\$ 1/16\(W\) J 22k\(\Omega\$ 1/16\(W\) J 10k\(\Omega\$ 1/16\(W\) J
L1211 L1401 L1402 L1941 L1942 L1943 L1944 L1945 L1946 L1947 L1950 L1951 L1952 L1983 L3001 L3002 L3003 L3004 L3007 L3501 L3502 L3503	QQL244K-100Z QQL244K-100Z QQL26AK-100Z QQR1401-001 QQR1401-001 QQL26AK-330Z QQL26AK-220Z QQL26AK-220Z QQL26AK-220Z QQL26AK-470Z QQL26AK-470Z QQL26AK-470Z QQL26AK-470Z QQL26AK-470Z QRN143J-0R0X NQL092K-6R8X NQL092K-6R8X NQR0413-003X NRSA02J-0R0X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X	PEAKING COIL PEAKING COIL CHOKE COIL COIL COIL COIL COIL COIL COIL COIL	10uH K 10uH K 10uH K 33uH K 33uH K 22uH K 22uH K 10uH K 47uH K 47uH K 47uH K 0Ω 1/4W J 6.8uH K 6.8uH K
CN1001 CN1002 CN1003 CN100Q CN100N CN10DC CN10SR H1661 H1802 J1091 J2101 J2102 J2111 J2121 K1943 K1944 LC1301 LC1302 LC1303 LC2301 LC2302 LC2303 LC2301 LC2322 LC2303 LC2341 LC2322 LC2342 LC342 LC342 LC342 LC342 LC342 LC3403 LC3001 LC3002 LC3003 LC3001 LC3002 LC3003 LC3001 LC3002 LC3003	QGB1506L1-16 QGB1506L1-16 QGB1506L1-16 WJP0053-004A WJP0052-002A QJB003-043014 QJB003-052610 LC30145-003A CM42862-A0A QNS0242-001 QNN0628-001 QNN0628-001 QNN0628-001 QNN0628-001 QNN0628-001 QNN0628-001 QNN1628-001	CONNECTOR CONNECTOR CONNECTOR E-SH C WIRE C-B E-SH C WIRE C-B SIN ID C-B WIRE SIN ID C-B WIRE HEAT SINK ASSY 3.5 JACK PIN JACK PIN JACK PIN JACK C RESISTOR C RESISTOR EMI FILTER	B-B (1-16) B-B (1-16) B-B (1-16) B-B (1-16)  AV COMPULINK V/L IN RINLR OUTICENTER CHIN S IN COMP-1/-2 IN OΩ 1/4W J OΩ 1/4W J OΩ 1/4W J  22pF 50V +50%-20% 22pF 50V +50%-20% 100pF 50V +50%-20% 10pF 50V +50%-20% 22pF 50V +50%-20% 22pF 50V +50%-20%

⚠Ref No.	Part No.	Part Name	Description Loca
LC3008 LC3501 LC3502 LC3503 SL1211	NQR0470-001X NQR0470-003X NQR0470-003X NQR0470-003X CSB503F30-T2 OAU0352-001	EMI FILTER EMI FILTER EMI FILTER C RESONATOR TUNER	22pF 50V +50%-20% 100pF 50V +50%-20% 100pF 50V +50%-20% 100pF 50V +50%-20%
X3001	NAX0570-001X	CRYSTAL	27.000MHz

## DEF / CONVERGENCE OUT P.W. BOARD ASS'Y (SRP-2002A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

### R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

### G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

### B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

### VM P.W. BOARD ASS'Y (SRP-7201A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

## REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

### POWER P.W. BOARD ASS'Y (SRP-9001A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

### FRONT CONTROL P.W. BOARD ASS'Y (SRP0L001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

## DIGITAL INPUT MODULE P.W. BOARD ASS'Y (SRP-7804A-M2)

△Ref No.		Part No.	Part Name	Description	Local
	MD001	SRP-7804A-M2	DIGITAL INPUT MODULE PWB		

## DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SRP0K002A-M2)

Ref No.	Part No.	Part Name	Description Local
MD001 SRP0K002A-M2		DIGITAL CONVERGENCE MODU	JLE PWB

## MI-CON & DIST MODULE P.W. BOARD ASS'Y (SRP0D001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

## PRINTED WIRING BOARD PARTS LIST [AV-56P585/H]

		SS'Y (SRP-1002A-N	•	⚠Ref No.	Part No.	Part Name	Description Local
∆Ref No.	Part No.	Part Name	Description Local	D1401	MA111-X	SI DIODE	
IC1101	L7805CP	IC		D1402 D1403	UDZS5.1B-X	Z DIODE	
IC1140	CXA2205Q-X	IC		D1403	MA111-X MA111-X	SI DIODE SI DIODE	
IC1211	TA1318N	IC		D1596	MA8100/M/-X	Z DIODE	
IC1212	SN74AHC2G08T-X	IC		D1667	MA111-X	SI DIODE	
IC1301 IC1501	AN15852A CXA2069Q	IC IC		D1668	MA111-X	SI DIODE	
IC1501	M62320FP-X	IC IC		D1669 D1702	MA111-X MA111-X	SI DIODE SI DIODE	
IC1511	PQ033RD01SZ	IC		D1703	MA111-X	SI DIODE	
IC1641	NJM2150AM-X	IC		D1704	MA8100/M/-X	Z DIODE	
IC1661 IC1703	AN5277 AT24C128-56P585	IC IC	(SERVICE)	D1705 D1712	MA8100/M/-X MA111-X	Z DIODE SI DIODE	
IC1703	BA033T	REGULATOR IC	(GLITVIOL)	D1712 D1802	MA111-X	SI DIODE	
IC1941	PQ1CG21H2FZ	IC		D1895	MA8082/M/-X	Z DIODE	
IC1942 IC1943	SI-8050JD-W	IC IC		D1896	MA8082/M/-X	Z DIODE	
IC1943	PQ1CY1032Z-W PQ070XZ01Z-X	IC IC		D1897 D1898	MA8051/M/-X MA8051/M/-X	Z DIODE Z DIODE	
IC1991	PQ12RD11	IC		D1947	EC31QS04-X	SB DIODE	
IC1993	MM1565AF-X	IC		D1948	EC31QS04-X	SB DIODE	
IC3001 IC3002	MN82832 R1170H331B-X	IC IC		D1949 D1962	EC31QS04-X	SB DIODE	
IC6001	NJM2701M-X	IC		D1962 D1964	MA3030/H/-X MA111-X	Z DIODE SI DIODE	
				D1965	MA111-X	SI DIODE	
Q0701	2SK2090-X	MOS FET		D1967	PTZ6.8B-X	Z DIODE	
Q0702 Q1101	2SK2090-X 2SA1530A/QR/-X	MOS FET TRANSISTOR		D1968 D1969	PTZ3.9B-X PTZ11B-X	Z DIODE Z DIODE	
Q1102	2SC3928A/QR/-X	TRANSISTOR		D1981	MA111-X		
Q1232	2SA1530A/QR/-X	TRANSISTOR		D1991	MA111-X	SI DIODE SI DIODE	
Q1252 Q1253	2SA1530A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		D1993	MA111-X	SI DIODE	
Q1253 Q1254	2SA1530A/QR/-X	TRANSISTOR		D2101 D2121	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1255	2SC3928A/QR/-X	TRANSISTOR		D2201	MA8100/M/-X	Z DIODE	
Q1301	2SC3837K/NP/-X	TRANSISTOR		D2204	MA8100/M/-X	Z DIODE	
Q1302 Q1303	2SC3837K/NP/-X 2SC3837K/NP/-X	TRANSISTOR TRANSISTOR		D2205 D2206	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1401	2SC3928A/QR/-X	TRANSISTOR		D2200 D2209	MA8100/M/-X	Z DIODE Z DIODE	
Q1511	2SC3928A/QR/-X	TRANSISTOR		D2210	MA8100/M/-X	Z DIODE	
Q1531	2SC3928A/QR/-X	TRANSISTOR		D2212	MA8100/M/-X	Z DIODE	
Q1668 Q1669	UN2213-X 2SC3928A/QR/-X	DIGI TRANSISTOR TRANSISTOR		D2213 D2215	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1671	UN2213-X	DIGI TRANSISTOR		D2216	MA8100/M/-X	Z DIODE	
Q1672	2SC3928A/QR/-X	TRANSISTOR		D2217	MA8100/M/-X	Z DIODE	
Q1673 Q1674	2SA1530A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		D2218 D2219	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1712	2SA1530A/QR/-X	TRANSISTOR		D2401	MA8100/M/-X	Z DIODE	
Q1713	2SC2785/JH/-T	SI TRANSISTOR		D2402	MA8100/M/-X	Z DIODE	
Q1714	2SA1530A/QR/-X	TRANSISTOR		D2403	MA8100/M/-X	Z DIODE	
Q1961 Q1962	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		D2404 D2406	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1964	2SC3928A/QR/-X	TRANSISTOR		D2421	MA8100/M/-X	Z DIODE	
Q1965	UN2213-X	DIGI TRANSISTOR		D2422	MA8100/M/-X	Z DIODE	
Q1966 Q1967	UN2213-X UN2213-X	DIGI TRANSISTOR DIGI TRANSISTOR		C1101	QETN1CM-477Z	E CAPACITOR	470uF 16V M
Q1981	2SC4682-T	TRANSISTOR		C1102	QETN1CM-107Z	E CAPACITOR	100uF 16V M
Q1984	2SC4682-T	TRANSISTOR		C1103	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q3001 Q3002	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C1111 C1140	NCF31CZ-104X QETN1HM-475Z	C CAPACITOR E CAPACITOR	0.1uF 16V Z 4.7uF 50V M
Q3002 Q3003	2SA1530A/QR/-X	TRANSISTOR		C1140 C1141	QETN1HM-475Z QETN1HM-475Z	E CAPACITOR E CAPACITOR	4.7uF 50V M
Q3004	2SC3928A/QR/-X	TRANSISTOR		C1144	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q3005	2SC3928A/QR/-X	TRANSISTOR		C1145	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
Q3006 Q3007	2SA1530A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		C1146 C1147	NCB31HK-472X QENC1HM-475Z	C CAPACITOR BP E CAPACITOR	4700pF 50V K 4.7uF 50V M
Q3501	2SA1530A/QR/-X	TRANSISTOR		C1148	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
Q3502	2SC3928A/QR/-X	TRANSISTOR		C1149	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q3505	2SA1530A/QR/-X	TRANSISTOR		C1150	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
Q3506 Q3509	2SC3928A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		C1151 C1152	NCB31EK-104X QENC1HM-475Z	C CAPACITOR BP E CAPACITOR	0.1uF 25V K 4.7uF 50V M
Q3510	2SC3928A/QR/-X	TRANSISTOR		C1153	NCB31HK-562X	C CAPACITOR	5600pF 50V K
Q6001	2SC3928A/QR/-X	TRANSISTOR		C1154	NCB31HK-123X	C CAPACITOR	0.012uF 50V K
Q6002	2SC3928A/QR/-X	TRANSISTOR		C1155 C1156	QETN1HM-105Z QETN1HM-475Z	E CAPACITOR E CAPACITOR	1uF 50V M 4.7uF 50V M
D1093	MA8082/M/-X	Z DIODE		C1150	QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M
D1140	MA8100/M/-X	Z DIODE		C1158	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
D1141	MA8100/M/-X	Z DIODE		C1159	QETN1CM-107Z	E CAPACITOR	100uF 16V M
D1145 D1146	MA8082/M/-X MA8082/M/-X	Z DIODE Z DIODE		C1160 C1161	QENC1HM-475Z QETN1HM-475Z	BP E CAPACITOR E CAPACITOR	4.7uF 50V M 4.7uF 50V M
D1251	MA8100/M/-X	Z DIODE		C1161	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
D1252	MA8100/M/-X	Z DIODE		C1163	NCB31HK-272X	C CAPACITOR	2700pF 50V K
				C11C1	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
D1253	MA111-X	SI DIODE		C1164			
D1301	MA111-X MA8100/M/-X	Z DIODE		C1165	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
	MA111-X						

⚠Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
C1169 C1170	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	C1652 C1653	NCB31CK-153X	C CAPACITOR	0.015uF 16V K
C1170	QENC1HM-475Z NCF31CZ-104X	BP E CAPACITOR C CAPACITOR	4.7uF 50V M 0.1uF 16V Z	C1667	NCB31CK-473X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.047uF 16V K 10uF 50V M
C1172 C1213	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z 100uF 16V M	C1668 C1669	NDC31HJ-101X	C CAPACITOR	100pF 50V J 1uF 16V K
C1213	QETN1CM-107Z QETN1HM-225Z	E CAPACITOR E CAPACITOR	2.2uF 50V M	C1669 C1670	NCB21CK-105X QETN1HM-106Z	C CAPACITOR E CAPACITOR	10uF 50V M
C1215	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	C1671	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1216 C1218	NCF11CZ-475X NCB21CK-105X	C CAPACITOR C CAPACITOR	4.7uF 16V Z 1uF 16V K	C1672 C1673	NCB21CK-105X QETN1HM-477Z	C CAPACITOR E CAPACITOR	1uF 16V K 470uF 50V M
C1219	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C1674	QETM1HM-108	E CAPACITOR	1000uF 50V M
C1233 C1257	NDC31HJ-180X QETN1HM-105Z	C CAPACITOR E CAPACITOR	18pF 50V J 1uF 50V M	C1675 C1676	QFV21HJ-124Z QFV21HJ-124Z	MF CAPACITOR MF CAPACITOR	0.12uF 50V J 0.12uF 50V J
C1258	QETN1HM-105Z	E CAPACITOR	1uF 50V M	C1677	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1301 C1302	QETN1CM-107Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	100uF 16V M 100uF 16V M	C1678 C1679	QETN1EM-108Z QETN1HM-475Z	E CAPACITOR E CAPACITOR	1000uF 25V M 4.7uF 50V M
C1303	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C1680	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1304 C1305	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K	C1696 C1697	QETN1HM-106Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	10uF 50V M 47uF 25V M
C1306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1702	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1307 C1308	QETN1CM-106Z NCB31HK-103X	E CAPACITOR C CAPACITOR	10uF 16V M 0.01uF 50V K	C1712 C1806	QETN1AM-227Z QETN1VM-476Z	E CAPACITOR E CAPACITOR	220uF 10V M 47uF 35V M
C1309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1807	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1311 C1312	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K	C1941 C1942	QETN1VM-477Z QETN1CM-108Z	E CAPACITOR E CAPACITOR	470uF 35V M 1000uF 16V M
C1313	NCB21CK-105X	C CAPACITOR	1uF 16V K	C1943	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1322 C1323	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C1944 C1945	QETN1VM-477Z QEZ0256-128	E CAPACITOR E CAPACITOR	470uF 35V M 1200uF 10V M
C1324	NCB21CK-105X	C CAPACITOR	1uF 16V K	C1946	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1325 C1326	NCB21CK-105X NDC31HJ-101X	C CAPACITOR C CAPACITOR	1uF 16V K 100pF 50V J	C1947 C1948	QETN1CM-477Z QETN1CM-477Z	E CAPACITOR E CAPACITOR	470uF 16V M 470uF 16V M
C1327	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C1949	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1328 C1329	NDC31HJ-101X NCB31HK-103X	C CAPACITOR C CAPACITOR	100pF 50V J 0.01uF 50V K	C1950 C1951	QETN0JM-108Z QETN1VM-477Z	E CAPACITOR E CAPACITOR	1000uF 6.3V M 470uF 35V M
C1331	NCB21CK-105X	C CAPACITOR	1uF 16V K	C1952	QEZ0256-128	E CAPACITOR	1200uF 10V M
C1332 C1333	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C1953 C1955	QETN0JM-228Z NCB31EK-104X	E CAPACITOR C CAPACITOR	2200uF 6.3V M 0.1uF 25V K
C1341	NCB21CK-105X	C CAPACITOR	1uF 16V K	C1961	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1342 C1343	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C1981 C1984	QETN1CM-107Z QETN0JM-108Z	E CAPACITOR E CAPACITOR	100uF 16V M 1000uF 6.3V M
C1351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1985	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M
C1352 C1353	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C1991 C1992	QETN1EM-107Z QETN1CM-477Z	E CAPACITOR E CAPACITOR	100uF 25V M 470uF 16V M
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1994	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1355 C1371	NCB31HK-103X QETN1CM-336Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 33uF 16V M	C1995 C1996	NCB11CK-225X NCB11CK-225X	C CAPACITOR C CAPACITOR	2.2uF 16V K 2.2uF 16V K
C1372	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C2102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1381 C1382	QETN1CM-336Z NCB31CK-104X	E CAPACITOR C CAPACITOR	33uF 16V M 0.1uF 16V K	C2103 C2104	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M
C1391	QETN1CM-336Z	E CAPACITOR	33uF 16V M	C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1392 C1403	NCB31CK-104X QETN1AM-108Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 1000uF 10V M	C2106 C2123	NCB11CK-225X NCB31HK-103X	C CAPACITOR C CAPACITOR	2.2uF 16V K 0.01uF 50V K
C1404	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	C2124	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1405 C1406	QETN1AM-108Z QETN1AM-108Z	E CAPACITOR E CAPACITOR	1000uF 10V M 1000uF 10V M	C2126 C2127	QETN1HM-106Z NCB11CK-225X	E CAPACITOR C CAPACITOR	10uF 50V M 2.2uF 16V K
C1409	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C2128 C2144	NCB11CK-225X	C CAPACITOR E CAPACITOR	2.2uF 16V K
C1410 C1411	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K	C2144	QETN1HM-106Z NCB11CK-225X	C CAPACITOR	10uF 50V M 2.2uF 16V K
C1412 C1415	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K	C2146 C2302	NCB11CK-225X NCB21CK-105X	C CAPACITOR C CAPACITOR	2.2uF 16V K 1uF 16V K
C1416	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C2303	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1417 C1418	NCB31HK-103X QETN1EM-476Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 47uF 25V M	C2322 C2323	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1421	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	C2341	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1423 C1442	QETN1HM-476Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	47uF 50V M 47uF 25V M	C2342 C2343	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3001	QENC1AM-336Z	BP E CAPACITOR	33uF 10V M
C1502 C1510	QETN1EM-476Z QENC1CM-106Z	E CAPACITOR BP E CAPACITOR	47uF 25V M 10uF 16V M	C3002 C3003	NDC31HJ-151X NDC31HJ-121X	C CAPACITOR C CAPACITOR	150pF 50V J 120pF 50V J
C1519	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3004	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C1531 C1532	NCB31CK-104X QETN1HM-226Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 22uF 50V M	C3005 C3006	NCF11CZ-475X NCF31CZ-104X	C CAPACITOR C CAPACITOR	4.7uF 16V Z 0.1uF 16V Z
C1539	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	C3007	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C1540 C1553	QETN1AM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 10V M 0.01uF 50V K	C3008 C3009	NDC31HJ-151X NDC31HJ-121X	C CAPACITOR C CAPACITOR	150pF 50V J 120pF 50V J
C1554	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3010	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C1555 C1556	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C3011 C3012	NCF11CZ-475X NCF31CZ-104X	C CAPACITOR C CAPACITOR	4.7uF 16V Z 0.1uF 16V Z
C1557	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1579 C1641	QETN1EM-476Z QENC1HM-106Z	E CAPACITOR BP E CAPACITOR	47uF 25V M 10uF 50V M	C3014 C3015	QETN1CM-107Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	100uF 16V M 0.1uF 16V Z
C1642	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1643 C1645	NCB31CK-473X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.047uF 16V K 0.1uF 16V K	C3017 C3018	QENC1HM-475Z NCF31CZ-104X	BP E CAPACITOR C CAPACITOR	4.7uF 50V M 0.1uF 16V Z
C1646	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1647 C1648	QETN1HM-226Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	22uF 50V M 10uF 50V M	C3020 C3021	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K
C1651	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C3022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C3023 C3024	NCF31CZ-104X NCF31CZ-104X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 0.1uF 16V Z	R0705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C3025	QETN1CM-106Z	E CAPACITOR	10uF 16V M	R0706	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C3026 C3027	NCF31CZ-104X NDC31HJ-7R0X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 7pF 50V J	R1097 R1104	NRSA63J-102X NRSA63J-221X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 220Ω 1/16W J
C3028	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R1105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3029	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1107	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C3030 C3031	NCF31CZ-104X NCF31CZ-104X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 0.1uF 16V Z	R1110 R1111	NRSA63J-103X NRSA63J-273X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 27kΩ 1/16W J
C3031 C3032	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R1112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C3033 C3034	NDC31HJ-330X NDC31HJ-560X	C CAPACITOR C CAPACITOR	33pF 50V J 56pF 50V J	R1140 R1141	NRSA63J-225X NRSA63J-221X	MG RESISTOR MG RESISTOR	2.2MΩ 1/16W J 220Ω 1/16W J
C3035	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R1142	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3036 C3037	NCF31CZ-104X NCF31CZ-104X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 0.1uF 16V Z	R1143 R1144	NRSA63J-105X NRSA63J-104X	MG RESISTOR MG RESISTOR	1MΩ 1/16W J 100kΩ 1/16W J
C3038 C3039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1145	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
C3039 C3041	NCF31CZ-104X QETN1CM-106Z	C CAPACITOR E CAPACITOR	0.1uF 16V Z 10uF 16V M	R1146 R1147	NRSA63J-682X NRSA63J-683X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 68kΩ 1/16W J
C3042	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1149	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3044 C3045	NCB31HK-472X NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1151 R1152	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J 3.9kΩ 1/16W J
C3046	NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1157	NRSA63J-392X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J
C3047	QETN1CM-106Z	E CAPACITOR	10uF 16V M	R1158	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3048 C3049	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1202 R1203	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C3050	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1218	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C3051 C3052	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1219 R1220	NRSA63J-331X NRSA63J-101X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 100Ω 1/16W J
C3053	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3054 C3055	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1226 R1228	NRSA63J-103X NRSA63J-222X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 2.2kΩ 1/16W J
C3056	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1229 R1230	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3057 C3058	QETN1CM-106Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	10uF 16V M 0.1uF 16V Z	R1230 R1231	NRSA63J-101X NRSA63J-221X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 220Ω 1/16W J
C3059	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R1232	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C3060 C3061	NCF31CZ-104X QETN1HM-105Z	C CAPACITOR E CAPACITOR	0.1uF 16V Z 1uF 50V M	R1234	NRSA63J-562X NRSA63J-222X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J 2.2kΩ 1/16W J
C3062	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1236 R1240	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3063 C3064	QETN1HM-105Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	1uF 50V M 0.1uF 16V Z	R1261 R1262	NRSA63J-152X NRSA63J-152X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W J 1.5kΩ 1/16W J
C3065	QETN1CM-106Z	E CAPACITOR	10uF 16V M	R1265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C3066 C3067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1266 R1267	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3068	QETN1CM-476Z NCB31HK-103X	E CAPACITOR C CAPACITOR	47uF 16V M 0.01uF 50V K	R1268	NRSA63J-104X NRSA63J-103X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 10kΩ 1/16W J
C3069	QETN1CM-476Z	E CAPACITOR	47uF 16V M	R1269 R1272	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3070 C3071	NCB31HK-103X QETN1CM-476Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 47uF 16V M	R1282	NRSA63J-562X QRE141J-221Y	MG RESISTOR C RESISTOR	5.6kΩ 1/16W J 220Ω 1/4W J
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1283	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C3077 C3078	NCB31AK-334X NCF31CZ-104X	C CAPACITOR C CAPACITOR	0.33uF 10V K 0.1uF 16V Z	R1284 R1285	NRSA63J-221X NRSA63J-823X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 82kΩ 1/16W J
C3079	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R1286	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3080 C3082	QBTC1CK-106Z NDC31HJ-151X	TA E CAPACITOR C CAPACITOR	10uF 16V K 150pF 50V J	R1287 R1301	NRSA63J-823X NRSA63J-101X	MG RESISTOR MG RESISTOR	82kΩ 1/16W J 100Ω 1/16W J
C3086	NCB31HK-152X	C CAPACITOR	1500pF 50V K	R1302	NRSA63J-101X NRSA63J-750X	MG RESISTOR	100Ω 1/16W J
C3088 C3089	NDC31HJ-100X NDC31HJ-100X	C CAPACITOR C CAPACITOR	10pF 50V J 10pF 50V J	R1337 R1347	NRSA63J-750X NRSA63J-750X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 75Ω 1/16W J
C3090	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R1372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3099 C3100	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1374 R1375	NRSA63J-471X NRSA63J-470X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 47Ω 1/16W J
C3501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1378	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3502 C3503	NDC31HJ-101X NDC31HJ-121X	C CAPACITOR C CAPACITOR	100pF 50V J 120pF 50V J	R1382 R1384	NRSA63J-101X NRSA63J-471X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 470Ω 1/16W J
C3504	NDC31HJ-150X	C CAPACITOR	15pF 50V J	R1385	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C3506 C3507	NCF11CZ-475X NCF31CZ-104X	C CAPACITOR C CAPACITOR	4.7uF 16V Z 0.1uF 16V Z	R1392 R1394	NRSA63J-101X NRSA63J-471X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 470Ω 1/16W J
C3508	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R1395	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C3509 C3510	NDC31HJ-121X NDC31HJ-150X	C CAPACITOR C CAPACITOR	120pF 50V J 15pF 50V J	R1401 R1402	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J
C3512	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R1421	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
C3513 C3514	NCF31CZ-104X NDC31HJ-101X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 100pF 50V J	R1422 R1423	NRSA63J-101X NRSA63J-332X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 3.3kΩ 1/16W J
C3514	NDC31HJ-121X	C CAPACITOR	120pF 50V J	R1501	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C3516 C3518	NDC31HJ-150X NCF11CZ-475X	C CAPACITOR C CAPACITOR	15pF 50V J 4.7uF 16V Z	R1502 R1505	NRSA63J-100X NRSA63J-102X	MG RESISTOR MG RESISTOR	10Ω 1/16W J 1kΩ 1/16W J
C3519	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M	R1505	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3520	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M	R1513	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3521 C6001	QENC1CM-336Z QENC1HM-106Z	BP E CAPACITOR BP E CAPACITOR	33uF 16V M 10uF 50V M	R1514 R1515	NRSA63J-102X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 0Ω 1/16W J
C6002	QENC1HM-106Z	<b>BP E CAPACITOR</b>	10uF 50V M	R1516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6003 C6004	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M	R1517 R1518	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J
C6005	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6006 C6007	NCB31CK-273X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.027uF 16V K 10uF 50V M	R1520 R1521	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J
C6008	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R1522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6009 C6010	QETN1CM-107Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	100uF 16V M 10uF 50V M	R1523 R1524	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J
	<del>-</del>	-		-			

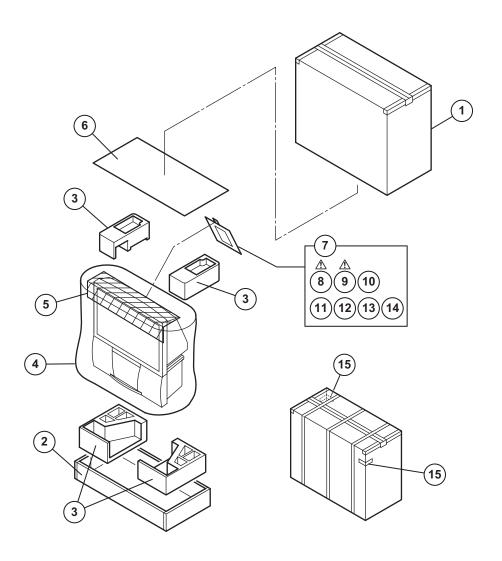
RICHARD   MERCASTOR	⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
H1529   MISSASJ 221K   M. G. RESISTOR   2281   1199								
FIRST   FIRS	R1526 R1527	NRSA63J-682X NRSA63J-221X						
RESISTOR	R1528	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	<b></b> ⚠R1981	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J
### ### ### ### ### ### ### ### ### ##				220Ω 1/16W J 1kΩ 1/16W J			MG RESISTOR	
RESIST   RESISTOR   COULTING	R1533	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1984	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
RESPONSE								
RESISTED	R1536		MG RESISTOR	6.8kΩ 1/16W J	R1991	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1509 MR5843-1071 M FESTIOR	R1537							
RISGO MESAS-100X MS RESISTOR 100L116W1 R2104 MSASA-1750X MS RESISTOR 220L116W1 R1577 MSASA-200X MS RESISTOR 200L116W1 R1578 MSASA-200X MSASA-200X MS RESISTOR 200L116W1 R1578 MSASA-200X MSASA-200	R1539				R2103	NRSA63J-750X	MG RESISTOR	
R1971   MRS683-1297K   MG PESISTOR   DU 1190V J   R2125   MRS683-1290K   MG PESISTOR   7200 1190V J   R2125   MRS683-1290K   MG PESISTOR   7200 1190V J   R2125   MRS683-1290K   MG PESISTOR   7200 1190V J   R2126   MRS683-1290K   MG PESISTOR   7200 1190V J   R2126   MRS683-1290K   MG PESISTOR   2200 1190V J   R2126   MRS683-1290K   MG PESISTOR   R210 1190V J   R2126   MRS683-1290K   MG PESISTOR   R220 1190V J	R1560						MG RESISTOR	
R1519 NRSABJ-362X MG RESISTOR 6 B.6L 110WJ R2123 NRSABJ-70X MG RESISTOR 75L 110WJ R1612 NRSABJ-62X MG RESISTOR 75L 110WJ R2142 NRSABJ-62X MG RESISTOR 75L 110WJ R2145 NRSABJ-72X MG RESISTOR 75L 110WJ R2145 NRSABJ-7	R1571		MG RESISTOR		R2106	NRSA63J-224X	MG RESISTOR	
R1619   MRSAG3_120X   MR RESISTOR   200 1109 J   R2125   RRSAG3_120X   MR RESISTOR   2200 1109 J   R2125   RRSAG3_120X   MR RESISTOR   2200 1109 J   R2145   RRSAG3_120X   MR RESISTOR   2200 1109 J   R2145   RRSAG3_120X   MR RESISTOR   2200 1109 J   R2146   RRSAG3_120X   MR RESISTOR   2200 1109 J   R2245   RRSAG3_120X   MR RESISTOR   R2240 1109 J   R2240   RRSAG3_120X   M							MG RESISTOR	
R1612   MRSAG3-162X   MR RESISTOR   564 1/16W J   R2147   R2144   R25A23-170X   MR RESISTOR   750 1/16W J   R2148   R25A23-170X   MR RESISTOR   750 1/16W J   R25A23-170X   MR RESISTOR   750	R1579	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R2125	NRSA63J-750X	MG RESISTOR	
Refer								
R1616 RNSAG31-55XX MG RESISTOR 560.1716W J R246 NNSAG31-224X MG RESISTOR 2004.1716W J R2305 NNSAG31-75XX MG RESISTOR 750.1716W J R2305 NNSAG31-75XX MG RESISTOR 120.1716W J R2305 NNSAG31-75XX MG RESISTOR 120.1716W J R2305 NNSAG31-12XX MG RESISTOR 150.1716W J R2305 NNSAG31-12XX MG RES	R1613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R2144	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1616 NRSAG3-10X MG RESISTOR 160.0116W J R2305 NRSA63-750X MG RESISTOR 750.116W J R1614 NRSA63-12X MG RESISTOR 750.116W J R2328 NRSA63-750X MG RESISTOR 750.116W J R1614 NRSA63-12X MG RESISTOR 750.116W J R2328 NRSA63-750X MG RESISTOR 750.116W J R3014 NRSA63-12X MG RESISTOR 750.116W J R3015 NRSA63-13X MG RESISTOR 750.116W J R3015 NRSA63-15X MG RESISTOR 750.116W J R3015 NRSA63-15X MG RESISTOR 750.116W J R3016 NRSA63-15X MG RESISTOR 750.116W J R3							MG RESISTOR	
RIGGS RISASS-122X MG RESISTOR 220.11/EW J R2325 NRSASS-750X MG RESISTOR 750.11/EW J R1643 NRSASS-122X MG RESISTOR 10.11/EW J R3002 NRSASS-3170X MG RESISTOR 330.11/EW J R3002 NRSASS-3170X MG RESISTO	R1616				R2305		MG RESISTOR	
R1649 NRSA63J-122X MG RESISTOR 10L1 116W J R222B NRSA63J-123X MG RESISTOR 750.116W J R1640 NRSA63J-123X MG RESISTOR 10L1 116W J R3010 NRSA63J-123X MG RESISTOR 30L0 116W J R1650 NRSA63J-123X MG RESISTOR 10L1 116W J R3010 NRSA63J-123X MG RESISTOR 30L0 116W J R1650 NRSA63J-123X MG RESISTOR 10L1 116W J R3010 NRSA63J-123X MG RESI		NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1651 NRSA63J-102X MG RESISTOR 22kg 1/16W J R3002 NRSA63J-103X MG RESISTOR 33kg 1/16W J R1652 NRSA63J-223X MG RESISTOR 22kg 1/16W J R3003 NRSA63J-103X MG RESISTOR 33kg 1/16W J R1658 NRSA63J-223X MG RESISTOR 22kg 1/16W J R3004 NRSA63J-103X MG RESISTOR 33kg 1/16W J R1658 NRSA63J-223X MG RESISTOR 10kg 1/16W J R3007 NRSA63J-103X MG RESISTOR 33kg 1/16W J R3007 NRSA63J-103X MG RESISTOR 10kg 1/16W J R3007 NRSA63J-103X MG RESISTOR 10kg 1/16W J R3007 NRSA63J-103X MG RESISTOR 10kg 1/16W J R3007 NRSA63J-103X MG RESISTOR 11kg 1/16W J R3007 NRSA63J-103X MG	R1643	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R2328	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1652 NRSA63J-223X MG RESISTOR 22kg 1/16W J R3003 NRSA63J-103X MG RESISTOR 1000 1/16W J R1658 NRSA63J-103X MG RESISTOR 10kg 1/16W J R3005 NRSA63J-103X MG RESISTOR 10kg 1/16W J R3005 NRSA63J-103X MG RESISTOR 10kg 1/16W J R3005 NRSA63J-103X MG RESISTOR 10kg 1/16W J R3006 NRSA63J-103X MG								
R1658 NRSA631-103X MG RESISTOR 10kg 1/16W J R3005 NRSA631-18X MG RESISTOR 1586 1/16W J R1665 NRSA631-162X MG RESISTOR 10kg 1/16W J R3007 NRSA631-102X MG RESISTOR 15kg 1/16W J R3007 NRSA631-102X MG RESISTOR 15kg 1/16W J R3007 NRSA631-102X MG RESISTOR 15kg 1/16W J R3017 NRSA631-102X MG RESISTOR 15kg 1/16W J R3017 NRSA631-102X MG RESISTOR 15kg 1/16W J R3018 NRSA631-202X MG RESISTOR 15kg 1/16W J R3012 NRSA631-102X MG RESISTOR 15kg 1/16W J R3012 NRSA631-12X MG RESISTOR 15kg 1/16W J R3014 NRSA631-12X MG RESISTOR 15kg 1/16W J R3014 NRSA631-12X MG RESISTOR 15kg 1/16W J R3014 NRSA631-10X MG RESISTOR 15kg 1/16W J R3015 NRSA631-10X MG RESISTOR 15kg 1/16W J R3015 NRSA631-10X MG RESISTOR 15kg 1/16W J R3016 NRSA631-10	R1652	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R3003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1669 NRSA631-103X MG RESISTOR 2 224 116W J R3006 NRSA631-16ZX MG RESISTOR 158.116W J R1665 NRSA631-16ZX MG RESISTOR 2 224 116W J R3007 NRSA631-16ZX MG RESISTOR 164 116W J R3016 NRSA631-16ZX MG RESISTOR 162 116W J R3016 NRSA631-16ZX MG RESISTOR 163 116W J R3016 NRSA631-16ZX MG RESISTOR 164 116W J R3016 NRSA631-16ZX MG RESISTOR 165 116W J R3016 NRSA631-16ZX MG RESI	R1653				R3004			
R1666 NRSA63J-82X MG RESISTOR	R1659	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1667   NRSA63J-222X   MG RESISTOR   2.2kú 116W J   R3010   NRSA63J-152X   MG RESISTOR   1.2kú 116W J   R1668   NRSA63J-82X   MG RESISTOR   2.2kú 116W J   R3013   NRSA63J-333X   MG RESISTOR   1.2kú 116W J   R1670   NRSA63J-123X   MG RESISTOR   1.2kú 116W J   R3014   NRSA63J-33X   MG RESISTOR   1.2kú 116W J   R1670   NRSA63J-123X   MG RESISTOR   1.2kú 116W J   R3016   NRSA63J-33X   MG RESISTOR   1.2kú 116W J   R1671   NRSA63J-123X   MG RESISTOR   1.2kú 116W J   R3016   NRSA63J-123X   MG RESISTOR   1.2kú 116W J   R3026   NRSA63J-123X   MG RESISTOR   1.2kú 116W J   R3027   NRSA63J-123X   MG RESISTOR   1.2kú 116W J   R3027   NRSA63J-123X   MG RESISTOR   1.2kú 116W J   R3027   NRSA63J-123X   MG RESISTOR   1.2kú 116W J   R3026   NRSA63J-123X   MG RESISTOR   1.2kú 116W J   R3026   NRSA63J-123X   MG RESISTOR   1.2kú 116W J   R3026   NRSA63J-123							MG RESISTOR	
R1669 NRSA631-862X MG RESISTOR 6 88Q 1166W J R3013 NRSA631-333X MG RESISTOR 33Q 116W J R1671 QR1461-27E2X UNF C RESISTOR 2.20 116W J R3015 NRSA631-332X MG RESISTOR 3.3Q 116W J R1671 QR1461-27E2X UNF C RESISTOR 2.20 14W J R3015 NRSA631-332X MG RESISTOR 3.3Q 116W J R1672 QR1461-27E2X UNF C RESISTOR 2.20 14W J R3015 NRSA631-31EX MG RESISTOR 3.3Q 116W J R1673 QR1281-102X UNF C RESISTOR 10Q 116W J R3017 NRSA631-11EX MG RESISTOR 15Q 1176W J R1673 QR1281-102X UNF C RESISTOR 14Q 12W J R3017 NRSA631-12X MG RESISTOR 15Q 1176W J R3018 NRSA631-12X MG RESISTOR 15Q 1176W J R3019 NRSA631-12X MG RESISTOR 22Q 1176W J R3019 NRSA631-12X MG RESISTOR 22Q 1176W J R3019 NRSA631-12X MG RESISTOR 2Q 1176W J R3019 NRSA631-11X MG RESISTOR 400 1176W J R3019 NRSA631-11	R1667	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R3010	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1670   NRSA631-222X   MG RESISTOR   2.2ku 11/6W J   R3014   NRSA631-010X   MG RESISTOR   1000 11/6W J   R1672   CR11461-272X   UNF C RESISTOR   2.2ku 14W J   R3016   NRSA631-181X   MG RESISTOR   1800 11/6W J   R1673   CR1241-122X   UNF C RESISTOR   2.2ku 14W J   R3016   NRSA631-182X   MG RESISTOR   1800 11/6W J   R1674   CR1241-102X   UNF C RESISTOR   1ku 12W J   R3016   NRSA631-162X   MG RESISTOR   15ku 11/6W J   R3017   NRSA631-162X   MG RESISTOR   15ku 11/6W J   R3016   NRSA631-162X   MG RESISTOR   10ku 11/6W J   R3016   NRSA631-102X   MG RESISTOR   10ku 11/6W J   R3016   NRSA631-102X   MG RESISTOR   10ku 11/6W J   R3016   NRSA6								
R1672   ORL164_PRZY	R1670	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R3014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1673   ORK128_1-102X   UNF C RESISTOR   16.0 1/2W J   R3017   NR5A63_1-12X   MG RESISTOR   1.6.0 1/16W J   R1680   NR5A63_1-27X   MG RESISTOR   2.76.0 1/16W J   R3020   NR5A63_1-12X   MG RESISTOR   16.0 1/16W J   R3020   NR5A63_1-12X   MG RESISTOR   16.0 1/16W J   R3020   NR5A63_1-12X   MG RESISTOR   16.0 1/16W J   R3021   NR5A63_1-12X   MG RESISTOR   16.0 1/16W J   R3021   NR5A63_1-12X   MG RESISTOR   1.6.0 1/16W J   R3022   NR5A63_1-12X   MG RESISTOR   1.6.0 1/16W J   R3023   NR5A63_1-12X   MG RESISTOR   1.6.0 1/16W J   R3022   NR5A63_1-12X   MG RESISTOR   1.6.0 1/16W J   R3025   NR5A63_1-22X   MG RESISTOR   2.26.0 1/16W J   R3027   NR5A63_1-22X   MG RESISTOR   2.26.0 1/16W J   R3027   NR5A63_1-22X   MG RESISTOR   2.26.0 1/16W J   R3027   NR5A63_1-27X   MG RESISTOR   470.0 1/16W J   R3027   NR5A63_1-47X   MG RESISTOR   470.0 1/16W J   R3029   NR5A63_1-47X   M		QRJ146J-2R2X OR 1146 I-2R2X					MG RESISTOR	
R1680   NRSA63J-272X   Mg RESISTOR   2,7kg 1/16W J   R3020   NRSA63D-102X   Mg RESISTOR   1kg 1/16W J   R1682   NRSA63J-103X   Mg RESISTOR   10kg 1/16W J   R3021   NRSA63J-103X   Mg RESISTOR   47kg 1/16W J   R3021   NRSA63J-103X   Mg RESISTOR   47kg 1/16W J   R3024   NRSA63J-123X   Mg RESISTOR   22kg 1/16W J   R1694   NRSA63J-163X   Mg RESISTOR   15kg 1/16W J   R3024   NRSA63J-123X   Mg RESISTOR   22kg 1/16W J   R304   NRSA63J-123X   Mg RESISTOR   22kg 1/16W J   R1696   NRSA63J-163X   Mg RESISTOR   47kg 1/16W J   R3026   NRSA63J-223X   Mg RESISTOR   22kg 1/16W J   R1696   NRSA63J-473X   Mg RESISTOR   47kg 1/16W J   R3026   NRSA63J-223X   Mg RESISTOR   22kg 1/16W J   R1696   NRSA63J-473X   Mg RESISTOR   47kg 1/16W J   R3027   NRSA63J-471X   Mg RESISTOR   47kg 1/16W J   R1701   NRSA63J-070X   Mg RESISTOR   00 1/16W J   R3028   NRSA63J-471X   Mg RESISTOR   47kg 1/16W J   R1701   NRSA63J-070X   Mg RESISTOR   00 1/16W J   R3028   NRSA63J-471X   Mg RESISTOR   47kg 1/16W J   R1701   NRSA63J-101X   Mg RESISTOR   000 1/16W J   R3030   NRSA63J-471X   Mg RESISTOR   47kg 1/16W J   R1703   NRSA63J-101X   Mg RESISTOR   100kg 1/16W J   R3030   NRSA63J-101X   Mg RESISTOR   47kg 1/16W J   R304   NRSA63J-101X   Mg RESISTOR   100kg 1/16W J   R1713   NRSA63J-123X   Mg RESISTOR   12kg 1/16W J   R304   NRSA63J-101X   Mg RESISTOR   10kg 1/16W J   R1714   NRSA63J-123X   Mg RESISTOR   12kg 1/16W J   R304   NRSA63J-101X   Mg RESISTOR   10kg 1/16W J   R304   NRSA63J-101X   Mg RESISTOR   10kg 1/16W J   R1715   NRSA63J-12X   Mg RESISTOR   12kg 1/16W J   R304   NRSA63J-101X   Mg RESISTOR   10kg 1/16W J   R1716   NRSA63J-12X   Mg RESISTOR   12kg 1/16W J   R304   NRSA63J-101X   Mg RESISTOR   10kg 1/16W J   R1716   NRSA63J-12X   Mg RESISTOR   12kg 1/16W J   R304   NRSA63J-101X   Mg RESISTOR   10kg 1/16W J   R104   NRSA63J-12X   Mg RESISTOR   22kg 1/16W J   R304   NRSA63J-12X   Mg RESISTO	R1673	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	R3017	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1681   NRSA63J-473X   MG RESISTOR   47KL 1/16W J   R3021   NRSA63J-473X   MG RESISTOR   1.5kΩ 1/16W J   R1691   NRSA63J-103X   MG RESISTOR   100kΩ 1/16W J   R3024   NRSA63J-23X   MG RESISTOR   22kΩ 1/16W J   R1694   NRSA63J-153X   MG RESISTOR   100kΩ 1/16W J   R3026   NRSA63J-23X   MG RESISTOR   22kΩ 1/16W J   R1696   NRSA63J-802X   MG RESISTOR   6.8kΩ 1/16W J   R3026   NRSA63J-23X   MG RESISTOR   22kΩ 1/16W J   R1696   NRSA63J-802X   MG RESISTOR   6.8kΩ 1/16W J   R3026   NRSA63J-47X   MG RESISTOR   22kΩ 1/16W J   R1696   NRSA63J-802X   MG RESISTOR   47kΩ 1/16W J   R1696   NRSA63J-802X   MG RESISTOR   0.01 1/16W J   R3027   NRSA63J-47X   MG RESISTOR   47kΩ 1/16W J   R1707   NRSA63J-802X   MG RESISTOR   0.01 1/16W J   R3029   NRSA63J-47X   MG RESISTOR   47kΩ 1/16W J   R1702   NRSA63J-101X   MG RESISTOR   0.01 1/16W J   R3039   NRSA63J-47X   MG RESISTOR   47kΩ 1/16W J   R1702   NRSA63J-101X   MG RESISTOR   0.00 1/16W J   R3039   NRSA63J-11X   MG RESISTOR   47kΩ 1/16W J   R1712   NRSA63J-27X   MG RESISTOR   27kΩ 1/16W J   R3039   NRSA63J-101X   MG RESISTOR   47kΩ 1/16W J   R1712   NRSA63J-12X   MG RESISTOR   27kΩ 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1714   NRSA63J-12X   MG RESISTOR   12kΩ 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1714   NRSA63J-12X   MG RESISTOR   12kΩ 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1714   NRSA63J-12X   MG RESISTOR   12kΩ 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1716   NRSA63J-12X   MG RESISTOR   12kΩ 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1716   NRSA63J-12X   MG RESISTOR   12kΩ 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1716   NRSA63J-12X   MG RESISTOR   12kΩ 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1716   NRSA63J-12X   MG RESISTOR   12kΩ 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1040   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1040   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1040   NRSA63J-101X   MG R					R3018 R3020		MG RESISTOR	
R1691   NRSA63.1-101X   MG RESISTOR   100k1 1/16W J   R3024   NRSA63.1-23X   MG RESISTOR   22k0 1/16W J   R1695   NRSA63.1-63X   MG RESISTOR   6.8k0 1/16W J   R3025   NRSA63.1-23X   MG RESISTOR   22k0 1/16W J   R1696   NRSA63.1-82X   MG RESISTOR   6.8k0 1/16W J   R3026   NRSA63.1-471X   MG RESISTOR   22k0 1/16W J   R1697   NRSA63.1-00X   MG RESISTOR   00 1/16W J   R3027   NRSA63.1-471X   MG RESISTOR   47k0 1/16W J   R3027   NRSA63.1-471X   MG RESISTOR   47k0 1/16W J   R1701   NRSA63.1-00X   MG RESISTOR   00 1/16W J   R3029   NRSA63.1-471X   MG RESISTOR   47k0 1/16W J   R1702   NRSA63.1-10X   MG RESISTOR   00 1/16W J   R3029   NRSA63.1-471X   MG RESISTOR   47k0 1/16W J   R1702   NRSA63.1-101X   MG RESISTOR   1000 1/16W J   R3039   NRSA63.1-101X   MG RESISTOR   47k0 1/16W J   R1712   NRSA63.1-101X   MG RESISTOR   1000 1/16W J   R3039   NRSA63.1-101X   MG RESISTOR   47k0 1/16W J   R3040   NRSA63.1-101X   MG RESISTOR   1000 1/16W J   R3041   NRSA63.1-101X   MG RESISTOR   10	R1681	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R3021	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1694   NRSA63J-153X   MG RESISTOR   15kΩ 1/16W J   R3026   NRSA63J-223X   MG RESISTOR   22kΩ 1/16W J   R1696   NRSA63J-473X   MG RESISTOR   47kΩ 1/16W J   R3027   NRSA63J-471X   MG RESISTOR   47kΩ 1/16W J   R3027   NRSA63J-471X   MG RESISTOR   47kΩ 1/16W J   R3028   NRSA63J-471X   MG RESISTOR   47kΩ 1/16W J   R3029   NRSA63J-471X   MG RESISTOR   47kΩ 1/16W J   R3029   NRSA63J-101X   MG RESISTOR   47kΩ 1/16W J   R3039   NRSA63J-101X   MG RESISTOR   47kΩ 1/16W J   R3039   NRSA63J-101X   MG RESISTOR   10kΩ 1/16W J   R3039   NRSA63J-101X   MG RESISTOR   10kΩ 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   10kΩ 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   10kΩ 1/16W J   R3040   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R3042   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R3045   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R3046   NRSA63J-103X   MG RESISTOR   20kΩ 1/16W J   R3048   NRSA63J-103X   MG RESISTOR   30kΩ 1/16W J   R3048   NRSA63J								
R1696   NRSA63.1-473X   MG RESISTOR   47\text{C}116W J   R3028   RNSA63.1-471X   MG RESISTOR   47\text{C}116W J   R1701   NRSA63.1-0RX   MG RESISTOR   00.116W J   R3029   NRSA63.1-471X   MG RESISTOR   47\text{C}116W J   R1701   NRSA63.1-071X   MG RESISTOR   00.116W J   R3029   NRSA63.1-471X   MG RESISTOR   47\text{C}116W J   R1703   NRSA63.1-011X   MG RESISTOR   100.0116W J   R3039   NRSA63.1-01X   MG RESISTOR   47\text{C}116W J   R1703   NRSA63.1-01X   MG RESISTOR   100.0116W J   R3039   NRSA63.1-01X   MG RESISTOR   100.0116W J   R1713   NRSA63.1-01X   MG RESISTOR   100.0116W J   R1714   NRSA63.1-23X   MG RESISTOR   12\text{L}0116W J   R3040   NRSA63.1-01X   MG RESISTOR   100.0116W J   R1714   NRSA63.1-23X   MG RESISTOR   12\text{L}0116W J   R3042   NRSA63.1-01X   MG RESISTOR   10\text{L}0116W J   R1714   NRSA63.1-23X   MG RESISTOR   12\text{L}0116W J   R3045   NRSA63.1-01X   MG RESISTOR   10\text{L}0116W J   R1716   NRSA63.1-12X   MG RESISTOR   10\text{L}0116W J   R3045   NRSA63.1-01X   MG RESISTOR   10\text{L}0116W J   R1716   NRSA63.1-12X   MG RESISTOR   10\text{L}0116W J   R3046   NRSA63.1-01X   MG RESISTOR   20\text{L}0116W J   R3047   NRSA63.1-01X   MG RESISTOR   20\text{L}0116W J   R3048   NRSA63.1-01X   MG RESISTOR   30\text{L}0116W J   R1716   NRSA63.1-12X   MG RESISTOR   20\text{L}0116W J   R3048   NRSA63.1-01X   MG RESISTOR   30\text{L}0116W J   R1916   NRSA63.1-21X   MG RESISTOR   20\text{L}0116W J   R3048   NRSA63.1-01X   MG RESISTOR   30\text{L}0116W J   R1916   NRSA63.1-21X   MG RESISTOR   20\text{L}0116W J   R3050   NRSA63.1-63X   MG RESISTOR   5\text{L}0116W J   R3050   NRSA63.1-63X   MG RESISTOR   5\text{L}0116W J   R1916   NRSA63.1-21X   MG RESISTOR   20\text{L}0116W J   R3051   NRSA63.1-01X   MG RESISTOR   5\text{L}0116W J   R3051   NRSA63.1-01X   MG RESISTOR   5\text{L}0116W J   R3051   NRSA63.1-01X   MG RESISTOR   5\text{L}0116W J   R3051   NRSA63.1-01X   MG RESISTOR   10\text{L}0116W J   R1916   NRSA63.1-63X   MG RESISTOR   5\text{L}0116W J   R3051   NRSA63.1-01X   MG RESISTOR   10\te	R1694	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R3025	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1697   NRSA63J-PROX   MG RESISTOR   01/16W J   R3028   NRSA63J-471X   MG RESISTOR   4700.1/16W J   R1702   NRSA63J-010X   MG RESISTOR   1000.1/16W J   R3030   NRSA63J-471X   MG RESISTOR   4700.1/16W J   R1702   NRSA63J-101X   MG RESISTOR   1000.1/16W J   R3030   NRSA63J-471X   MG RESISTOR   4700.1/16W J   R1703   NRSA63J-101X   MG RESISTOR   4700.1/16W J   R1712   NRSA63J-101X   MG RESISTOR   27kū 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   1000.1/16W J   R1713   NRSA63J-123X   MG RESISTOR   12kū 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   1000.1/16W J   R1714   NRSA63J-123X   MG RESISTOR   12kū 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   1000.1/16W J   R1714   NRSA63J-123X   MG RESISTOR   12kū 1/16W J   R3047   NRSA63J-101X   MG RESISTOR   1000.1/16W J   R1715   NRSA63J-102X   MG RESISTOR   4.7kū 1/16W J   R3047   NRSA63J-31X   MG RESISTOR   2000.1/16W J   R1716   NRSA63J-102X   MG RESISTOR   4.7kū 1/16W J   R3047   NRSA63J-31X   MG RESISTOR   2000.1/16W J   R1718   NRSA63J-102X   MG RESISTOR   4.7kū 1/16W J   R3048   NRSA63J-31X   MG RESISTOR   3300.1/16W J   R1718   NRSA63J-221X   MG RESISTOR   2200.1/16W J   R3049   NRSA63J-3104X   MG RESISTOR   3300.1/16W J   R1718   NRSA63J-221X   MG RESISTOR   2200.1/16W J   R3051   NRSA63J-63X   MG RESISTOR   65kū 1/16W J   R1896   NRSA63J-221X   MG RESISTOR   2200.1/16W J   R3051   NRSA63J-123X   MG RESISTOR   22kū 1/16W J   R3051   NRSA63J-123X   MG RESISTOR   22kū 1/16W J   R3051   NRSA63J-123X   MG RESISTOR   22kū 1/16W J   R3052   NRSA63J-123X   MG RESISTOR   22kū 1/16W J   R3053   NRSA63J-123X   MG RESISTOR   22kū 1/16W J   R3053   NRSA63J-123X   MG RESISTOR   22kū 1/16W J   R3053   NRSA63J-123X   MG RESISTOR   22kū 1/16W J   R3054   NRSA63J-123X   MG RESISTOR   22kū 1/16W J   R3054   NRSA63J-123X   MG RESISTOR   22kū 1/16W J   R3054   NRSA63J-123X   MG RESISTOR   22kū 1/16W J   R3055   NRSA63J-123X   MG RESISTOR   22kū 1/16W J   R3054   NRSA63J-123X   MG RESISTOR   22kū 1/16W J   R3054   NRSA63J-123X   MG RESISTOR   22kū 1/16W J   R3054   NRSA63J-123								
R1702   NRSA63J-101X   MG RESISTOR   100Ω 11/6W J   R3030   NRSA63J-101X   MG RESISTOR   470Ω 11/6W J   R1714   NRSA63J-121X   MG RESISTOR   100Ω 11/6W J   R3040   NRSA63J-101X   MG RESISTOR   100Ω 11/6W J   R1714   NRSA63J-123X   MG RESISTOR   120Ω 11/6W J   R3040   NRSA63J-103X   MG RESISTOR   100Ω 11/6W J   R1714   NRSA63J-123X   MG RESISTOR   120Ω 11/6W J   R3042   NRSA63J-103X   MG RESISTOR   100Ω 11/6W J   R1714   NRSA63J-123X   MG RESISTOR   120Ω 11/6W J   R3047   NRSA63J-103X   MG RESISTOR   100Ω 11/6W J   R1715   NRSA63J-102X   MG RESISTOR   4.7℃ 11/6W J   R3047   NRSA63J-101X   MG RESISTOR   20Ω 11/6W J   R3047   NRSA63J-31X   MG RESISTOR   22Ω 11/6W J   R1716   NRSA63J-102X   MG RESISTOR   4.7℃ 11/6W J   R3049   NRSA63J-331X   MG RESISTOR   30Ω 11/6W J   R1718   NRSA63J-221X   MG RESISTOR   22Ω 11/6W J   R3049   NRSA63J-363X   MG RESISTOR   30Ω 11/6W J   R1896   NRSA63J-221X   MG RESISTOR   22Ω 11/6W J   R3050   NRSA63J-63X   MG RESISTOR   56Ω 11/6W J   R1896   NRSA63J-221X   MG RESISTOR   22Ω 11/6W J   R3051   NRSA63J-331X   MG RESISTOR   30Ω 11/6W J   R1898   NRSA63J-221X   MG RESISTOR   22Ω 11/6W J   R3051   NRSA63J-33X   MG RESISTOR   30Ω 11/6W J   R1898   NRSA63J-221X   MG RESISTOR   22Ω 11/6W J   R3052   NRSA63J-33X   MG RESISTOR   30Ω 11/6W J   R1898   NRSA63J-63X   MG RESISTOR   56Ω 11/6W J   R3052   NRSA63J-63X   MG RESISTOR   30Ω 11/6W J   R1898   NRSA63J-63X   MG RESISTOR   56Ω 11/6W J   R3052   NRSA63J-103X   MG RESISTOR   12Ω 11/6W J   R1942   NRSA63J-102X   MG RESISTOR   12Ω 11/6W J   R3054   NRSA63J-102X   MG RESISTOR   12Ω 11/6W J   R3055   NRSA63J-102X   MG RESISTOR   12Ω 11/6W J   R3056   NRSA63J-102X   MG RESISTOR   12Ω 11/6W J	R1697	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3028	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1703   NRSA63J-101X   MG RESISTOR   1000 1/16W J   R3039   NRSA63J-101X   MG RESISTOR   1000 1/16W J   R1713   NRSA63J-273X   MG RESISTOR   12k0 1/16W J   R3040   NRSA63J-101X   MG RESISTOR   1000 1/16W J   R1714   NRSA63J-123X   MG RESISTOR   12k0 1/16W J   R3042   NRSA63J-103X   MG RESISTOR   10k0 1/16W J   R1714   NRSA63J-472X   MG RESISTOR   12k0 1/16W J   R3045   NRSA63J-101X   MG RESISTOR   10k0 1/16W J   R1715   NRSA63J-472X   MG RESISTOR   4.7ku 1/16W J   R3047   NRSA63J-221X   MG RESISTOR   2000 1/16W J   R1716   NRSA63J-472X   MG RESISTOR   4.7ku 1/16W J   R3049   NRSA63J-331X   MG RESISTOR   3300 1/16W J   R1716   NRSA63J-472X   MG RESISTOR   4.7ku 1/16W J   R3049   NRSA63J-331X   MG RESISTOR   3300 1/16W J   R1895   NRSA63J-221X   MG RESISTOR   2200 1/16W J   R3059   NRSA63J-563X   MG RESISTOR   56k0 1/16W J   R1895   NRSA63J-221X   MG RESISTOR   2200 1/16W J   R3051   NRSA63J-123X   MG RESISTOR   56k0 1/16W J   R1896   NRSA63J-221X   MG RESISTOR   2200 1/16W J   R3051   NRSA63J-331X   MG RESISTOR   56k0 1/16W J   R1898   NRSA63J-221X   MG RESISTOR   2200 1/16W J   R3051   NRSA63J-331X   MG RESISTOR   3300 1/16W J   R1898   NRSA63J-221X   MG RESISTOR   2200 1/16W J   R3052   NRSA63J-331X   MG RESISTOR   3300 1/16W J   R1899   NRSA63J-563X   MG RESISTOR   2200 1/16W J   R3052   NRSA63J-331X   MG RESISTOR   3300 1/16W J   R1899   NRSA63J-563X   MG RESISTOR   56k0 1/16W J   R3054   NRSA63J-123X   MG RESISTOR   10k0 1/16W J   R1942   NRSA63J-122X   MG RESISTOR   56k0 1/16W J   R3055   NRSA63J-123X   MG RESISTOR   10k0 1/16W J   R1943   NRSA63J-122X   MG RESISTOR   56k0 1/16W J   R3055   NRSA63J-102X   MG RESISTOR   6.8k0 1/16W J   R1943   NRSA63J-122X   MG RESISTOR   12k0 1/16W J   R3056   NRSA63J-102X   MG RESISTOR   6.8k0 1/16W J   R1943   NRSA63J-122X   MG RESISTOR   12k0 1/16W J   R3066   NRSA63J-102X   MG RESISTOR   6.8k0 1/16W J   R1945   NRSA63J-122X   MG RESISTOR   12k0 1/16W J   R3066   NRSA63J-102X   MG RESISTOR   10k0 1/16W J   R1949   NRSA63J-22X   MG RESISTOR   12k0 1/16W J   R3059   NR								
R1713   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R3042   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R1714   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R3045   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1715   NRSA63J-472X   MG RESISTOR   4.7kΩ 1/16W J   R3047   NRSA63J-21X   MG RESISTOR   20Ω 1/16W J   R1716   NRSA63J-472X   MG RESISTOR   1kΩ 1/16W J   R3047   NRSA63J-331X   MG RESISTOR   20Ω 1/16W J   R1718   NRSA63J-472X   MG RESISTOR   4.7kΩ 1/16W J   R3049   NRSA63J-104X   MG RESISTOR   100kΩ 1/16W J   R1895   NRSA63J-21X   MG RESISTOR   220Ω 1/16W J   R3059   NRSA63J-63X   MG RESISTOR   6kΩ 1/16W J   R1895   NRSA63J-21X   MG RESISTOR   220Ω 1/16W J   R3051   NRSA63J-63X   MG RESISTOR   6kΩ 1/16W J   R1897   NRSA63J-21X   MG RESISTOR   220Ω 1/16W J   R3051   NRSA63J-31X   MG RESISTOR   330Ω 1/16W J   R1898   NRSA63J-21X   MG RESISTOR   220Ω 1/16W J   R3052   NRSA63J-33X   MG RESISTOR   330Ω 1/16W J   R1899   NRSA63J-63X   MG RESISTOR   220Ω 1/16W J   R3053   NRSA63J-103X   MG RESISTOR   330Ω 1/16W J   R1899   NRSA63J-63X   MG RESISTOR   56kΩ 1/16W J   R3054   NRSA63J-103X   MG RESISTOR   12kΩ 1/16W J   R3054   NRSA63J-103X   MG RESISTOR   12kΩ 1/16W J   R3054   NRSA63J-103X   MG RESISTOR   12kΩ 1/16W J   R3055   NRSA63J-102X   MG RESISTOR   12kΩ 1/16W J   R3055   NRSA63J-102X   MG RESISTOR   12kΩ 1/16W J   R3056   NRSA63J-101X   MG RESISTOR   10kΩ 1/16W J   R3056   NRSA63J-101X   MG RESISTOR   10kΩ 1/16W J   R3056   NRSA63J-101X   MG RESISTOR   10kΩ 1/16W J   R3056   NRSA63J-101X   MG RE		NRSA63J-101X	MG RESISTOR				MG RESISTOR	
R1714   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R3045   NRSA63J-101X   MG RESISTOR   100c1 1/16W J   R1716   NRSA63J-21X   MG RESISTOR   1kΩ 1/16W J   R3047   NRSA63J-21X   MG RESISTOR   330Ω 1/16W J   R1718   NRSA63J-22X   MG RESISTOR   4.7kΩ 1/16W J   R3048   NRSA63J-31X   MG RESISTOR   330Ω 1/16W J   R1718   NRSA63J-22X   MG RESISTOR   2.20Ω 1/16W J   R3049   NRSA63J-104X   MG RESISTOR   100kΩ 1/16W J   R1895   NRSA63J-221X   MG RESISTOR   2.20Ω 1/16W J   R3050   NRSA63J-104X   MG RESISTOR   56kΩ 1/16W J   R1896   NRSA63J-221X   MG RESISTOR   2.20Ω 1/16W J   R3051   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R1897   NRSA63J-221X   MG RESISTOR   2.20Ω 1/16W J   R3052   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R1898   NRSA63J-221X   MG RESISTOR   2.20Ω 1/16W J   R3052   NRSA63J-123X   MG RESISTOR   330Ω 1/16W J   R1898   NRSA63J-221X   MG RESISTOR   2.20Ω 1/16W J   R3052   NRSA63J-123X   MG RESISTOR   330Ω 1/16W J   R1899   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3053   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R1900   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3054   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R1902   NRSA63J-123X   MG RESISTOR   56kΩ 1/16W J   R3055   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R1904   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W D   R3058   NRSA63J-102X   MG RESISTOR   10kΩ 1/16W J   R1904   NRSA63J-102X   MG RESISTOR   12kΩ 1/16W D   R3059   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   AND	R1712 R1713	NRSA63J-123X	MG RESISTOR	27kΩ 1/16W J 12kΩ 1/16W J	R3040 R3042	NRSA63J-101X NRSA63J-103X	MG RESISTOR	100Ω 1/16W J 10kΩ 1/16W J
R1716   NRSA63J-102X   MG RESISTOR   1.0.1/16W J   R3048   NRSA63J-331X   MG RESISTOR   3300.1/16W J   R1895   NRSA63J-221X   MG RESISTOR   2200.1/16W J   R3050   NRSA63J-103X   MG RESISTOR   56κΩ 1/16W J   R1896   NRSA63J-221X   MG RESISTOR   2200.1/16W J   R3051   NRSA63J-123X   MG RESISTOR   12κΩ 1/16W J   R3051   NRSA63J-123X   MG RESISTOR   12κΩ 1/16W J   R3052   NRSA63J-123X   MG RESISTOR   3300.1/16W J   R1897   NRSA63J-221X   MG RESISTOR   2200.1/16W J   R3053   NRSA63J-123X   MG RESISTOR   3300.1/16W J   R1898   NRSA63J-221X   MG RESISTOR   2200.1/16W J   R3053   NRSA63J-123X   MG RESISTOR   3300.1/16W J   R1899   NRSA63J-563X   MG RESISTOR   56κΩ 1/16W J   R3053   NRSA63J-123X   MG RESISTOR   12κΩ 1/16W J   R3053   NRSA63J-103X   MG RESISTOR   10κΩ 1/16W J   R3055   NRSA63J-103X   MG RESISTOR   10κΩ 1/16W J   R3055   NRSA63J-103X   MG RESISTOR   10κΩ 1/16W J   R3055   NRSA63J-102X   MG RESISTOR   10κΩ 1/16W J   R3056   NRSA63J-102X   MG RESISTOR   10κΩ 1/16W J   R3056   NRSA63J-102X   MG RESISTOR   10κΩ 1/16W J   R3056   NRSA63J-			MG RESISTOR	12kΩ 1/16W J			MG RESISTOR	100Ω 1/16W J
R1718   NRSA63J-472X   MG RESISTOR   4.7KΩ 1/16W J   R3049   NRSA63J-104X   MG RESISTOR   10kΩ 1/16W J   R1896   NRSA63J-21X   MG RESISTOR   220Ω 1/16W J   R3051   NRSA63J-123X   MG RESISTOR   56kΩ 1/16W J   R1897   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3052   NRSA63J-123X   MG RESISTOR   330Ω 1/16W J   R1898   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3052   NRSA63J-123X   MG RESISTOR   330Ω 1/16W J   R1899   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3053   NRSA63J-123X   MG RESISTOR   330Ω 1/16W J   R1899   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3054   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R1900   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3055   NRSA63J-103X   MG RESISTOR   6.8kΩ 1/16W J   R1900   NRSA63J-63X   MG RESISTOR   56kΩ 1/16W J   R3055   NRSA63J-102X   MG RESISTOR   6.8kΩ 1/16W J   R1942   NRSA63D-122X   MG RESISTOR   1.2kΩ 1/16W D   R3058   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R1943   NRSA63D-123X   MG RESISTOR   12kΩ 1/16W D   R3059   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R1945   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3059   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R1945   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3065   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1946   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3066   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1949   NRSA63D-122X   MG RESISTOR   1.2kΩ 1/16W J   R3060   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1950   NRSA63D-22X   MG RESISTOR   320Ω 1/16W J   R3503   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1950   NRSA63D-22X   MG RESISTOR   320Ω 1/16W J   R3503   NRSA63J-101X   MG RESISTOR   1.8kΩ 1/16W J   R1950   NRSA63D-822X   MG RESISTOR   320Ω 1/16W J   R3505   NRSA63J-101X   MG RESISTOR   1.8kΩ 1/16W J   R1950   NRSA63D-822X   MG RESISTOR   320Ω 1/16W J   R3505   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3505   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3506   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3506   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3506   NRSA63		NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3048	NRSA63J-331X	MG RESISTOR	
R1896   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3051   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R1898   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3052   NRSA63J-331X   MG RESISTOR   330Ω 1/16W J   R1898   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3053   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R1899   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3054   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R1900   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3055   NRSA63J-103X   MG RESISTOR   6.8kΩ 1/16W J   R1900   NRSA63J-122X   MG RESISTOR   56kΩ 1/16W J   R3058   NRSA63J-103X   MG RESISTOR   6.8kΩ 1/16W J   R1942   NRSA63D-123X   MG RESISTOR   12kΩ 1/16W D   R3058   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3058   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3059   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3064   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3065   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3065   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3065   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R3066   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R3067   NRSA63J-102X   MG RESISTOR   1.00Ω 1/16W J   R3067   NRSA63J-101X   MG RESISTOR   1.00Ω 1/16W J   R3067   NRSA63J-102X   MG RESISTOR   1.00Ω 1				4.7kΩ 1/16W J				
R1898   NRSA63J-221X   MG RESISTOR   220Ω 1/16W J   R3053   NRSA63J-123X   MG RESISTOR   12kΩ 1/16W J   R1990   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3054   NRSA63J-103X   MG RESISTOR   10kΩ 1/16W J   R1900   NRSA63J-563X   MG RESISTOR   56kΩ 1/16W J   R3055   NRSA63J-682X   MG RESISTOR   6.8kΩ 1/16W J   R1942   NRSA63D-122X   MG RESISTOR   1.2kΩ 1/16W D   R3058   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R1943   NRSA63D-122X   MG RESISTOR   12kΩ 1/16W D   R3059   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R1944   QRK126J-220X   UNF C RESISTOR   22Ω 1/2W J   R3060   NRSA63J-182X   MG RESISTOR   1.8kΩ 1/16W J   R1945   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3065   NRSA63J-182X   MG RESISTOR   100Ω 1/16W J   R1946   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3065   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1949   NRSA63J-102X   MG RESISTOR   1.2kΩ 1/16W D   R3502   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1950   NRSA63D-822X   MG RESISTOR   8.2kΩ 1/16W D   R3503   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1952   NRSA63J-822X   MG RESISTOR   8.2kΩ 1/16W D   R3503   NRSA63J-182X   MG RESISTOR   180Ω 1/16W J   R1952   NRSA63J-22X   MG RESISTOR   20kΩ 1/16W J   R3505   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1957   NRSA63J-22X   MG RESISTOR   6.8kΩ 1/16W J   R3505   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1959   NRSA63D-182X   MG RESISTOR   6.8kΩ 1/16W J   R3505   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1959   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3509   NRSA63J-101X   MG RESISTOR   100Ω 1/16W J   R1961   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3509   NRSA63J-102X   MG RESISTOR   0Ω 1/16W J   R1962   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3511   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R1963   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3518   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R1963   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3518   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R1966   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3518	R1896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R3051	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1899 NRSA63J-563X MG RESISTOR 56κΩ 1/16W J R3054 NRSA63J-103X MG RESISTOR 10κΩ 1/16W J R1900 NRSA63J-563X MG RESISTOR 56κΩ 1/16W J R3055 NRSA63J-102X MG RESISTOR 6.8κΩ 1/16W J R1942 NRSA63D-122X MG RESISTOR 1.2kΩ 1/16W D R3058 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R1943 NRSA63D-123X MG RESISTOR 12kΩ 1/16W D R3059 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R3050 NRSA63J-102X MG RESISTOR 1.8kΩ 1/16W J R3050 NRSA63J-102X MG RESISTOR 1.8kΩ 1/16W J R3050 NRSA63J-101X MG RESISTOR 1.8kΩ 1/16W J R3060 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R3060 NRSA63J-301X MG RESISTOR 100Ω 1/16W J R3060 NRSA63J-301X MG RESISTOR 100Ω 1/16W J R3060 NRSA63J-224X MG RESISTOR 100Ω 1/16W J R3060 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R3060 NRSA63J-102X MG	R1897		MG RESISTOR				MG RESISTOR	
R1942   NRSA63D-122X   MG RESISTOR   1.2kΩ 1/16W D   R3058   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R1943   NRSA63D-123X   MG RESISTOR   12kΩ 1/16W D   R3059   NRSA63J-102X   MG RESISTOR   1kΩ 1/16W J   R3060   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3060   NRSA63J-182X   MG RESISTOR   1.8kΩ 1/16W J   R3065   NRSA63J-102X   MG RESISTOR   1.8kΩ 1/16W J   R3066   NRSA63J-101X   MG RESISTOR   1.0kΩ 1/16W J   R3066   NRSA63J-181X   MG RESISTOR   1.0kΩ 1/16W J   R3066   NRSA63J-181X   MG RESISTOR   1.0kΩ 1/16W J   R3066   NRSA63J-103X   MG RESISTOR	R1899	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R3054	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1943 NRSA63D-123X MG RESISTOR 12kΩ 1/16W D R3059 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R3064 NRSA63J-102X MG RESISTOR 1.8kΩ 1/16W J R3065 NRSA63J-102X MG RESISTOR 1.8kΩ 1/16W J R3065 NRSA63J-102X MG RESISTOR 1.00Ω 1/16W J R3066 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R3067 NRSA63J-101X MG RESISTOR 1.8kΩ 1/16W J R3067 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R3067 NRSA63J-101	R1900 R1942		MG RESISTOR	56kΩ 1/16W J	R3055	NRSA63J-682X	MG RESISTOR	
R1945         NRSA63J-102X         MG RESISTOR $1 k\Omega$ 1/16W J         R3065         NRSA63J-101X         MG RESISTOR $100\Omega$ 1/16W J           R1946         NRSA63J-102X         MG RESISTOR $1 k\Omega$ 1/16W J         R3066         NRSA63J-101X         MG RESISTOR $100\Omega$ 1/16W J           R1949         NRSA63D-122X         MG RESISTOR $1.2 k\Omega$ 1/16W D         R3502         NRSA63J-101X         MG RESISTOR $100\Omega$ 1/16W J           R1950         NRSA63D-822X         MG RESISTOR $8.2 k\Omega$ 1/16W D         R3503         NRSA63J-182X         MG RESISTOR $1.8 k\Omega$ 1/16W J           R1952         NRSA63J-331X         MG RESISTOR $330\Omega$ 1/16W J         R3504         NRSA63J-181X         MG RESISTOR $180\Omega$ 1/16W J           R1953         NRSA63J-224X         MG RESISTOR $220 k\Omega$ 1/16W J         R3504         NRSA63J-181X         MG RESISTOR $180\Omega$ 1/16W J           R1957         NRSA63D-682X         MG RESISTOR $220 k\Omega$ 1/16W J         R3507         NRSA63J-103X         MG RESISTOR $100\Omega$ 1/16W J           R1959         NRSA63D-182X         MG RESISTOR $1.8 k\Omega$ 1/16W D         R3507         NRSA63J-00X         MG RESISTOR $0\Omega$ 1/16W J           R1961         NRSA63J-182X<	R1943	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	R3059	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1946         NRSA63J-102X         MG RESISTOR $1 k\Omega$ 1/16W J         R3666         NRSA63J-101X         MG RESISTOR $100\Omega$ 1/16W J           R1949         NRSA63D-122X         MG RESISTOR         1.2kΩ 1/16W D         R3502         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           R1950         NRSA63D-822X         MG RESISTOR         8.2kΩ 1/16W D         R3503         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J           R1952         NRSA63J-331X         MG RESISTOR         330Ω 1/16W J         R3504         NRSA63J-181X         MG RESISTOR         180Ω 1/16W J           R1953         NRSA63J-224X         MG RESISTOR         220kΩ 1/16W J         R3505         NRSA63J-103X         MG RESISTOR         10kΩ 1/16W J           R1957         NRSA63D-682X         MG RESISTOR         6.8kΩ 1/16W D         R3507         NRSA63J-103X         MG RESISTOR         10kΩ 1/16W J           R1959         NRSA63D-182X         MG RESISTOR         1.8kΩ 1/16W D         R3508         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           R1961         NRSA63J-102X         MG RESISTOR         1.kΩ 1/16W J         R3508         NRSA63J-0R0X         MG RESISTOR         2.2kΩ 1/16W J           R1962         NRSA63J-182X         MG RESISTOR <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
R1950         NRSA63D-822X         MG RESISTOR         8.2kΩ 1/16W D         R3503         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J           R1952         NRSA63J-331X         MG RESISTOR         330Ω 1/16W J         R3504         NRSA63J-181X         MG RESISTOR         180Ω 1/16W J           R1953         NRSA63J-224X         MG RESISTOR         220kΩ 1/16W J         R3505         NRSA63J-103X         MG RESISTOR         10kΩ 1/16W J           R1957         NRSA63D-682X         MG RESISTOR         6.8kΩ 1/16W D         R3507         NRSA63J-101X         MG RESISTOR         10kΩ 1/16W J           R1959         NRSA63D-182X         MG RESISTOR         1.8kΩ 1/16W D         R3508         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           R1961         NRSA63J-102X         MG RESISTOR         1.kΩ 1/16W J         R3508         NRSA63J-222X         MG RESISTOR         2.2kΩ 1/16W J           R1962         NRSA63J-562X         MG RESISTOR         5.6kΩ 1/16W J         R3511         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           R1963         NRSA63J-182X         MG RESISTOR         5.6kΩ 1/16W J         R3516         NRSA63J-680X         MG RESISTOR         68Ω 1/16W J           R1964         NRSA63J-102X         MG RESISTOR	R1946	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1952         NRSA63J-331X         MG RESISTOR         330Ω 1/16W J         R3504         NRSA63J-181X         MG RESISTOR         180Ω 1/16W J           R1953         NRSA63J-224X         MG RESISTOR         220kΩ 1/16W J         R3505         NRSA63J-103X         MG RESISTOR         10kΩ 1/16W J           R1957         NRSA63D-682X         MG RESISTOR         6.8kΩ 1/16W D         R3507         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           R1959         NRSA63D-182X         MG RESISTOR         1.8kΩ 1/16W D         R3508         NRSA63J-10RX         MG RESISTOR         0Ω 1/16W J           R1961         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J         R3509         NRSA63J-222X         MG RESISTOR         2.2kΩ 1/16W J           R1962         NRSA63J-182X         MG RESISTOR         5.6kΩ 1/16W J         R3511         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           R1963         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J         R3516         NRSA63J-680X         MG RESISTOR         68Ω 1/16W J           R1964         NRSA63J-122X         MG RESISTOR         1.2kΩ 1/16W J         R3518         NRSA63J-101X         MG RESISTOR         1.8kΩ 1/16W J           R1965         NRSA63J-102X         MG RESISTOR	R1949 R1950			1.2kΩ 1/16W D 8.2kΩ 1/16W D			MG RESISTOR MG RESISTOR	
R1957         NRSA63D-682X         MG RESISTOR         6.8kΩ 1/16W D         R3507         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           R1959         NRSA63D-182X         MG RESISTOR         1.8kΩ 1/16W D         R3508         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           R1961         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J         R3509         NRSA63J-222X         MG RESISTOR         2.2kΩ 1/16W J           R1962         NRSA63J-562X         MG RESISTOR         5.6kΩ 1/16W J         R3511         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           R1963         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J         R3516         NRSA63J-680X         MG RESISTOR         68Ω 1/16W J           R1964         NRSA63J-102X         MG RESISTOR         22kΩ 1/16W J         R3518         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           R1965         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J         R3519         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J           R1966         NRSA63J-122X         MG RESISTOR         8.2kΩ 1/16W J         R3520         NRSA63J-103X         MG RESISTOR         18kΩ 1/16W J           R1967         NRSA63J-102X         MG RESISTOR	R1952	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R3504	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1959         NRSA63D-182X         MG RESISTOR         1.8kΩ 1/16W D         R3508         NRSA63J-0ROX         MG RESISTOR         0Ω 1/16W J           R1961         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J         R3509         NRSA63J-222X         MG RESISTOR         2.2kΩ 1/16W J           R1962         NRSA63J-562X         MG RESISTOR         5.6kΩ 1/16W J         R3511         NRSA63J-0R0X         MG RESISTOR         0Ω 1/16W J           R1963         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J         R3516         NRSA63J-680X         MG RESISTOR         68Ω 1/16W J           R1964         NRSA63J-223X         MG RESISTOR         22kΩ 1/16W J         R3518         NRSA63J-101X         MG RESISTOR         100Ω 1/16W J           R1965         NRSA63J-102X         MG RESISTOR         1kΩ 1/16W J         R3519         NRSA63J-182X         MG RESISTOR         1.8kΩ 1/16W J           R1966         NRSA63J-122X         MG RESISTOR         8.2kΩ 1/16W J         R3520         NRSA63J-103X         MG RESISTOR         180Ω 1/16W J           R1967         NRSA63J-102X         MG RESISTOR         1.2kΩ 1/16W J         R3521         NRSA63J-103X         MG RESISTOR         10kΩ 1/16W J           R1968         NRSA63J-102X         MG RESISTOR							MG RESISTOR MG RESISTOR	
R1962 NRSA63J-562X MG RESISTOR 5.6kΩ 1/16W J R3511 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J R1963 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J R3516 NRSA63J-680X MG RESISTOR 68Ω 1/16W J R1964 NRSA63J-223X MG RESISTOR 22kΩ 1/16W J R3518 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R1965 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R3519 NRSA63J-101X MG RESISTOR 1.8kΩ 1/16W J R1966 NRSA63J-822X MG RESISTOR 8.2kΩ 1/16W J R3520 NRSA63J-181X MG RESISTOR 180Ω 1/16W J R1967 NRSA63J-122X MG RESISTOR 1.2kΩ 1/16W J R3521 NRSA63J-103X MG RESISTOR 100Ω 1/16W J R1968 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R3523 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R1968 NRSA63J-102X MG RESISTOR 100Ω 1/16W J	R1959	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	R3508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1963 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J R3516 NRSA63J-680X MG RESISTOR 68Ω 1/16W J R1964 NRSA63J-223X MG RESISTOR 22kΩ 1/16W J R3518 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R1965 NRSA63J-102X MG RESISTOR 1 kΩ 1/16W J R3519 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J R1966 NRSA63J-822X MG RESISTOR 8.2kΩ 1/16W J R3520 NRSA63J-181X MG RESISTOR 180Ω 1/16W J R1967 NRSA63J-122X MG RESISTOR 1.2kΩ 1/16W J R3521 NRSA63J-103X MG RESISTOR 10kΩ 1/16W J R1968 NRSA63J-102X MG RESISTOR 1 kΩ 1/16W J R3523 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R1968 NRSA63J-102X MG RESISTOR 1 kΩ 1/16W J R3523 NRSA63J-101X MG RESISTOR 100Ω 1/16W J								
R1965       NRSA63J-102X       MG RESISTOR $1 k\Omega$ 1/16W J       R3519       NRSA63J-182X       MG RESISTOR $1.8 k\Omega$ 1/16W J         R1966       NRSA63J-822X       MG RESISTOR $8.2 k\Omega$ 1/16W J       R3520       NRSA63J-181X       MG RESISTOR $180\Omega$ 1/16W J         R1967       NRSA63J-122X       MG RESISTOR $1.2 k\Omega$ 1/16W J       R3521       NRSA63J-103X       MG RESISTOR $10 k\Omega$ 1/16W J         R1968       NRSA63J-102X       MG RESISTOR $10 k\Omega$ 1/16W J       R3523       NRSA63J-101X       MG RESISTOR $10 k\Omega$ 1/16W J	R1963	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R3516	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1966 NRSA63J-822X MG RESISTOR 8.2kΩ 1/16W J R3520 NRSA63J-181X MG RESISTOR 180Ω 1/16W J R1967 NRSA63J-122X MG RESISTOR 1.2kΩ 1/16W J R3521 NRSA63J-103X MG RESISTOR 10kΩ 1/16W J R1968 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R3523 NRSA63J-101X MG RESISTOR 100Ω 1/16W J								
R1968 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R3523 NRSA63J-101X MG RESISTOR 100Ω 1/16W J	R1966	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R3520	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1969 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R3525 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J					R3523			
	R1969	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
R3532 R3534 R3535 R3536 R3537 R3539	NRSA63J-680X NRSA63J-101X NRSA63J-182X NRSA63J-181X NRSA63J-103X NRSA63J-101X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	68Ω 1/16W J 100Ω 1/16W J 1.8kΩ 1/16W J 180Ω 1/16W J 10kΩ 1/16W J 100Ω 1/16W J	LC3008 LC3501 LC3502 LC3503 SL1211 ATU1101	NQR0470-001X NQR0470-003X NQR0470-003X NQR0470-003X CSB503F30-T2 QAU0352-001	EMI FILTER EMI FILTER EMI FILTER EMI FILTER C RESONATOR TUNER	22pF 50V +50%-20% 100pF 50V +50%-20% 100pF 50V +50%-20% 100pF 50V +50%-20%
R3541 R3548 R3549 R3550	NRSA63J-222X NRSA63J-680X NRSA63J-223X NRSA63J-223X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 68Ω 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J	X3001	NAX0570-001X	CRYSTAL	27.000MHz
R3551 R3552 R3553	NRSA63J-0R0X NRSA63J-223X NRSA63J-223X	MG RESISTOR MG RESISTOR MG RESISTOR	0Ω 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J		ONVERGEN 002A-M2)	CE OUT P.W. B	BOARD ASS'Y
R3554 R3555 R6001 R6002	NRSA63J-223X NRSA63J-223X NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	22kΩ 1/16W J 22kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J				R THIS P.W. BOARD.
R6003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R CRT	SOCKET P.W	<i>I</i> . BOARD ASS	S'Y (SRP-3101A-M2)
R6004 R6006 R6007 R6008	NRSA63J-103X NRSA63J-102X NRSA63J-562X NRSA63J-473X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	10kΩ 1/16W J 1kΩ 1/16W J 5.6kΩ 1/16W J 47kΩ 1/16W J				R THIS P.W. BOARD.
R6009	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	G CRT	SOCKET P.W.	<b>BOARD ASS'Y</b>	′ (SRP-3201A-M2)
RA3001 RA3002 RA3003 RA3004	NRZ0040-103X NRZ0040-103X NRZ0040-103X NRZ0040-103X	NET RESISTOR NET RESISTOR NET RESISTOR NET RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J	REFER <sup>-</sup>	TO PARTS LIST	IN PAGE 3-14 FOR	R THIS P.W. BOARD.
L1211	QQL244K-100Z	PEAKING COIL	10uH K	B CRT	SOCKET P.W.	<b>BOARD ASS'Y</b>	(SRP-3301A-M2)
L1401 L1402 L1941 L1942	QQL244K-100Z QQL26AK-100Z QQR1401-001 QQR1401-001	PEAKING COIL CHOKE COIL CHOKE COIL CHOKE COIL	10uH K 10uH K	REFER <sup>-</sup>	TO PARTS LIST	IN PAGE 3-14 FOR	R THIS P.W. BOARD.
L1943	QQL26AK-330Z	CHOKE COIL	33uH K	VM P.W	BOARD ASS	S'Y (SRP-7201A	-M2)
L1944 L1945 L1946 L1947	QQL26AK-330Z QQL26AK-220Z QQL26AK-220Z QQR1401-001	CHOKE COIL CHOKE COIL CHOKE COIL CHOKE COIL	33uH K 22uH K 22uH K	REFER <sup>-</sup>	TO PARTS LIST	IN PAGE 3-14 FOR	R THIS P.W. BOARD.
L1948 L1950 L1951	QQL26AK-100Z QQL26AK-470Z QQL26AK-470Z	CHOKE COIL CHOKE COIL CHOKE COIL	10uH K 47uH K 47uH K		ON SENSOR 001A-M2)	P.W. BOARD A	SS'Y
L1952 L1983 L3001 L3002	QQL26AK-470Z QRN143J-0R0X NQL092K-6R8X NQL092K-6R8X	CHOKE COIL C RESISTOR COIL COIL	47uH K 0Ω 1/4W J 6.8uH K 6.8uH K				R THIS P.W. BOARD.
L3003	NQR0413-003X	FERRITE BEADS	0.ourin	POWER	R P.W. BOARD	ASS'Y (SRP-90	001A-M2)
L3004 L3007 L3501 L3502	NQR0413-003X NRSA02J-0R0X NQL092K-6R8X NQL092K-6R8X	FERRITE BEADS MG RESISTOR COIL COIL	0Ω 1/10W J 6.8uH K 6.8uH K	REFER <sup>-</sup>	TO PARTS LIST	IN PAGE 3-15 FOR	R THIS P.W. BOARD.
L3503	NQL092K-6R8X	COIL	6.8uH K	FRONT	CONTROL P.	W. BOARD ASS	S'Y (SRP0L001A-M2)
CN1001 CN1002	QGB1506L1-16 QGB1506L1-16	CONNECTOR CONNECTOR	B-B (1-16) B-B (1-16)	REFER <sup>-</sup>	TO PARTS LIST	IN PAGE 3-16 FOR	R THIS P.W. BOARD.
CN1003 CN100Q CN10AU CN10DC	QGB1506L1-16 WJP0053-004A WJP0052-002A QJB003-043014	CONNECTOR E-SH C WIRE C-B E-SH C WIRE C-B SIN ID C-B WIRE	B-B (1-16)	_	L INPUT MOI 802A-M2)	DULE P.W. BO	ARD ASS'Y
CN10SR H1661	QJB003-052610 LC30145-003A	SIN ID C-B WIRE HEAT SINK/AL-F/		ÆRef No.	Part No.	Part Name	Description Local
H1802 J1091 J2101 J2102 J2111	CM42862-A0A QNS0242-001 QNN0628-001 QNN0629-001 QND0121-001	HEAT SINK ASSY 3.5 JACK PIN JACK PIN JACK S JACK	AV COMPULINK V/L IN R INUR OUT/CENTER CH IN S IN		SRP-7802A-M2	DIGITAL INPUT M	ODULE PWB
J2121 K1943 K1944 LC1301	QNN0638-001 QRN143J-0R0X QRN143J-0R0X QQR1199-001	PIN JACK C RESISTOR C RESISTOR EMI FILTER	COMP-1/-2 IN 0Ω 1/4W J 0Ω 1/4W J		_ CONVERGE (002A-M2)	NCE MODULE	P.W. BOARD ASS'Y
LC1302 LC1303 LC2301	QQR1199-001 QQR1199-001 QQR1199-001	EMI FILTER EMI FILTER EMI FILTER		REFER <sup>-</sup>	TO PARTS LIST	IN PAGE 3-21 FOR	R THIS P.W. BOARD.
LC2302 LC2303 LC2321 LC2322	QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001	EMI FILTER EMI FILTER EMI FILTER EMI FILTER			I & DIST MOI 0001A-M2)	DULE P.W. BO	ARD ASS'Y
LC2323 LC2341 LC2342 LC2343	QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001	EMI FILTER EMI FILTER EMI FILTER EMI FILTER		REFER -	ΓΟ PARTS LIST I	IN PAGE 3-16 FOR	R THIS P.W. BOARD.
LC3001	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%				
LC3002 LC3003	NQR0470-001X NQR0483-005X	EMI FILTER EMI FILTER	22pF 50V +50%-20%				
LC3004 LC3005	NQR0470-003X NQR0470-001X	EMI FILTER EMI FILTER	100pF 50V +50%-20% 22pF 50V +50%-20%				
LC3006	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%				
LC3007	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%				

## REMOTE CONTROL UNIT PARTS LIST (RM-C1257G-1H)

⚠ Ref No.	Part No.	Part Name	Description	Local
	UR77EC0603	BATTERY COVER		

## **PACKING**



## **PACKING PARTS LIST**

$\triangle$	Ref.No.	Part No.	Part Name	Description	Local
<u>^</u>	1 1 2 2 3 3 4 4 5 6 7 8 9 10 11 12 13	LC11253-004A-A LC11253-005A-A LC31759-001C-A LC31759-002B-A LC11790-002B-A LC11811-002B-A CP30056-010-A CP30056-011-A CP30055-007-A GQ30053-001A-A QPA02503505 LCT1609-001A-A LCT1610-001A-A GQ40028-001A-A BT-51034-1Q BT-52006-2Q RM-C1257G-1H	PACKING CASE (TOP) PACKING CASE (TOP) PACKING CASE (BOTTOM) PACKING CASE (BOTTOM) CUSHION ASSY CUSHION ASSY POLY BAG TOP COVER TOP SHEET POLY BAG INST BOOK INST BOOK INSERT SHEET REGIST. CARD WARRANTY CARD REMOCON	4pcs in 1set 4pcs in 1set 25cm x 35cm English French	AV-48P575/H AV-56P575/H,AV-56P585/H AV-48P575/H AV-56P575/H,AV-56P585/H AV-48P575/H AV-56P575/H,AV-56P585/H AV-48P575/H AV-56P575/H,AV-56P585/H AV-48P575/H AV-48P575/H
	14 15	GQ30037-001A-A	BATTERY CORNER LABEL	R6P/AA 2pcs in 1set	

# JVC

## **SCHEMATIC DIAGRAMS**

REAR PROJECTION TELEVISION

AV-48P575/H, AV-56P575/H, AV-56P585/H

CD-ROM No.SML200405



BASIC CHASSIS



## AV-48P575/H, AV-56P575/H, AV-56P585/H STANDARD CIRCUIT DIAGRAM

### ■ NOTE ON USING CIRCUIT DIAGRAMS

### 1.SAFETY

The components identified by the A symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal

: Colour bar signal

(2) Setting positions of each knob/button and

: Original setting position variable resistor

when shipped

(3)Internal resistance of tester : DC 20kΩ/V

(4)Oscilloscope sweeping time : H ⇒ 20µs / div

5ms / div

: Othters  $\Rightarrow$  Sweeping time is

specified

(5) Voltage values : All DC voltage values

\* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

In the PW board : R1209 → R209

### **4.INDICATIONS ON THE CIRCUIT DIAGRAM** (1)Resistors

Resistance value

No unit  $: [\Omega]$  $: [k\Omega]$ : [M Ω ]

Rated allowable power

No indication : 1/16 [W] : As specified Others

Type

No indication : Carbon resistor

**OMR** : Oxide metal film resistor MFR : Metal film resistor **MPR** : Metal plate resistor **UNFR** : Uninflammable resistor

FR : Fusible resistor

\* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

### (2)Capacitors

Capacitance value

1 or higher :[pF] less than 1 : [µF]

Withstand voltage

No indication : DC50[V]

Others : DC withstand voltage [V] AC indicated : AC withstand voltage [V]

\* Electrolytic Capacitors

47/50[Example]: Capacitance value [µF]/withstand voltage[V]

Type

No indication : Ceramic capacitor MM : Metalized mylar capacitor PP : Polypropylene capacitor

MPP : Metalized polypropylene capacitor

MF : Metalized film capacitor TF : Thin film capacitor

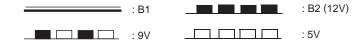
ΒP : Bipolar electrolytic capacitor TAN : Tantalum capacitor

(3)Coils

: [µH] No unit

Others : As specified

(4)Power Supply



\*Respective voltage values are indicated

### (5)Test point



### (6)Connecting method



### (7)Ground symbol

: LIVE side ground

: ISOLATED(NEUTRAL) side ground

: EARTH ground : DIGITAL ground

### **5.NOTE FOR REPAIRING SERVICE**

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE  $: (\bot)$  side GND and the ISOLATED(NEUTRAL): (\_\_\_\_) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2) Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.
- ◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

#### NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

2-1 No.YA091

## **CONTENTS**

SEMICONDUCTOR SHAPES	2-2
BLOCK DIAGRAM	2-3
CIRCUIT DIAGRAMS	
MAIN PWB CIRCUIT DIAGRAM	
R CRT SOCKET PWB CIRCUIT DIAGRAM	
G CRT SOCKET PWB CIRCUIT DIAGRAM	
B CRT SOCKET PWB CIRCUIT DIAGRAM	
VM PWB CIRCUIT DIAGRAM	
DEF CONVERGENCE OUT PWB CIRCUIT DIAGRAM	
POWER PWB CIRCUIT DIAGRAM	
FRONT CONTROL PWB CIRCUIT DIAGRAM	
REMOCON SENSOR PWB CIRCUIT DIAGRAM	
PATTERN DIAGRAMS	2-41
MAIN PWB PATTERN	2-41
R CRT SOCKET PWB PATTERN	
G CRT SOCKET PWB PATTERN	2-45
B CRT SOCKET PWB PATTERN	2-46
DEF CONVERGENCE OUT PWB PATTERN	
POWER PWB PATTERN	2-49
VM PWB PATTERN	
FRONT CONTROL PWB PATTERN	2-52
REMOCON SENSOR PWB PATTERN	2-52
CHANNEL CHART (US)	2-53
CHANNEL CHART (CA)	
LICING DW BOARD	

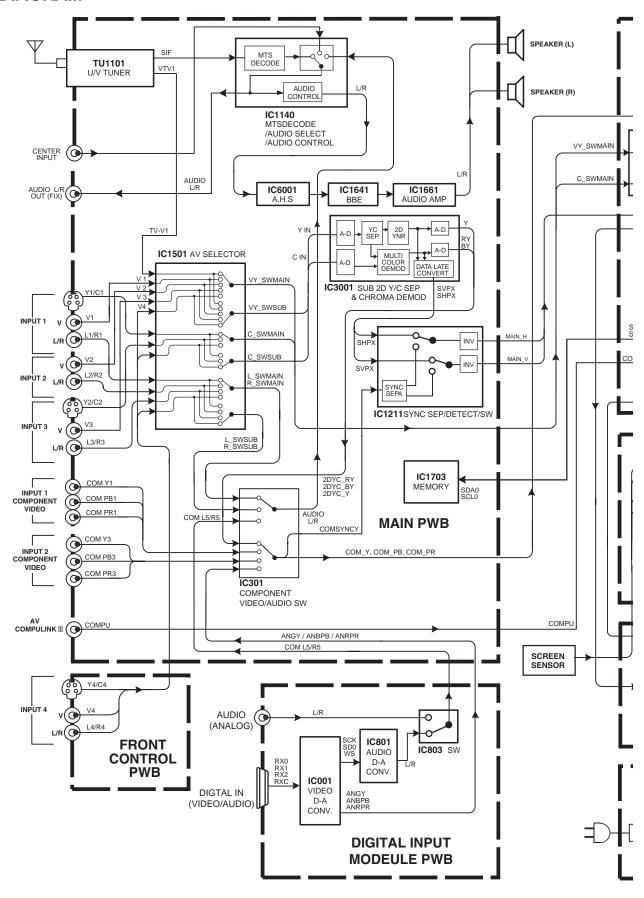
### **USING P.W. BOARD**

PWB ASS'Y name	AV-48P575/H	AV-56P575/H	AV-56P585/H
MAIN P.W. BOARD	SRP-1003A-M2	SRP-1004A-M2	SRP-1002A-M2
R CRT SOCKET P.W. BOARD	SRP-3101A-M2	<b>←</b>	←
G CRT SOCKET P.W. BOARD	SRP-3201A-M2	<b>←</b>	←
B CRT SOCKET P.W. BOARD	SRP-3301A-M2	<b>←</b>	←
VM P.W. BOARD	SRP-7201A-M2	←	←
DEF / CONVERGENCE OUT P.W. BOARD	SRP-2002A-M2	←	←
POWER P.W. BOARD	SRP-9001A-M2	←	←
REMOCON SENSOR P.W. BOARD	SRP-8001A-M2	←	←
FRONT CONTROL P.W. BOARD	SRP0L001A-M2	<b>←</b>	<b>←</b>

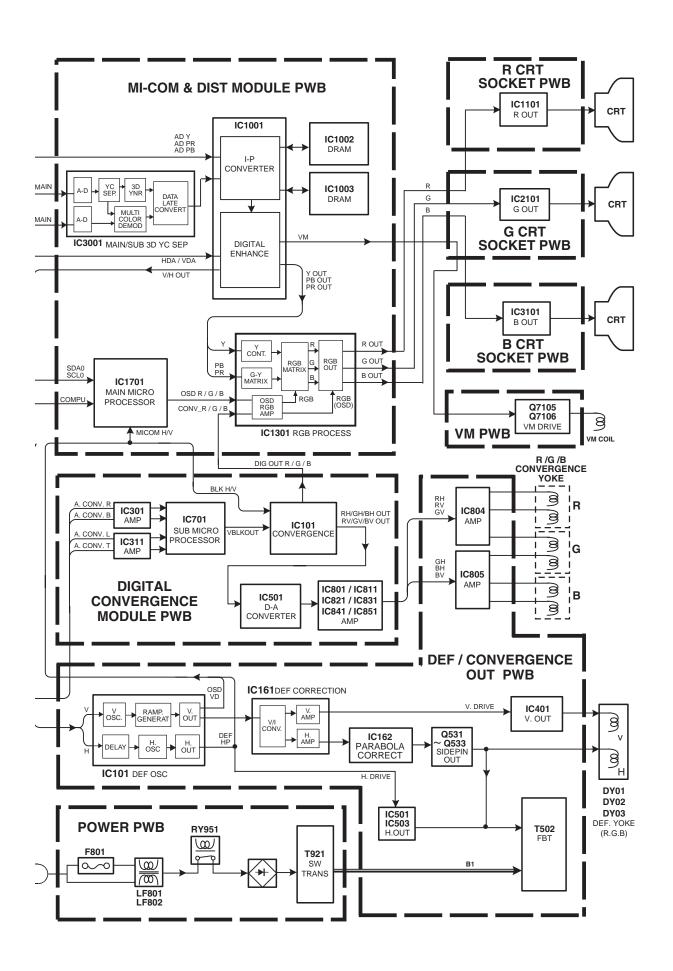
### **SEMICONDUCTOR SHAPES**

### TRANSISTOR BOTTOM VIEW FRONT VIEW TOP VIEW CHIP TR 0 BOTTOM VIEW FRONT VIEW TOP VIEW • OUT ÀAAAAAAAA • E IN CHIP IC TOP VIEW 1

### **BLOCK DIAGRAM**

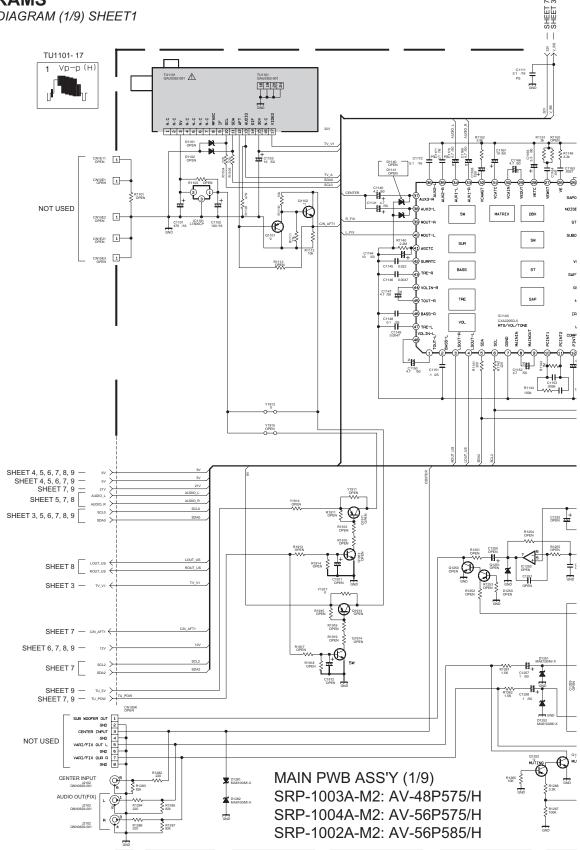


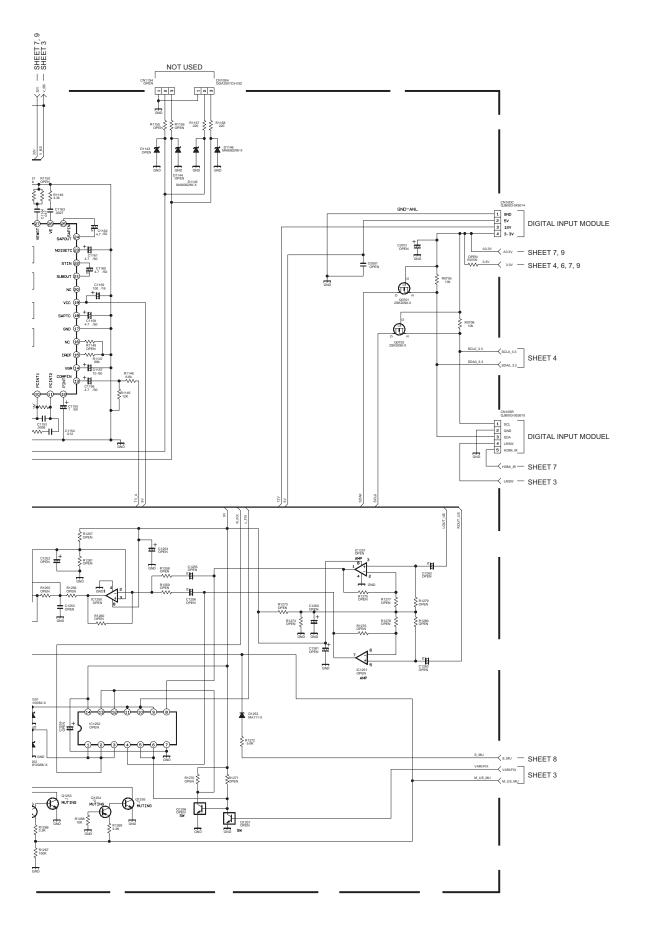
2-3 No.YA091



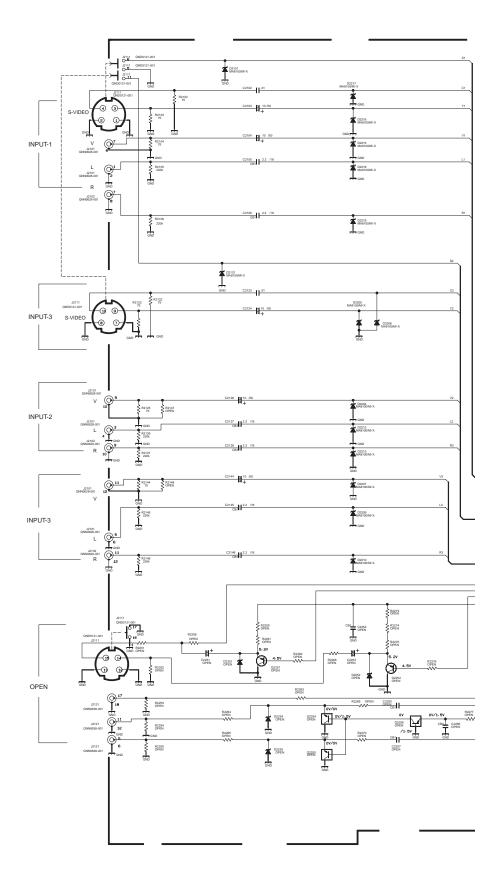
### **CIRCUIT DIAGRAMS**

MAIN PWB CIRCUIT DIAGRAM (1/9) SHEET1

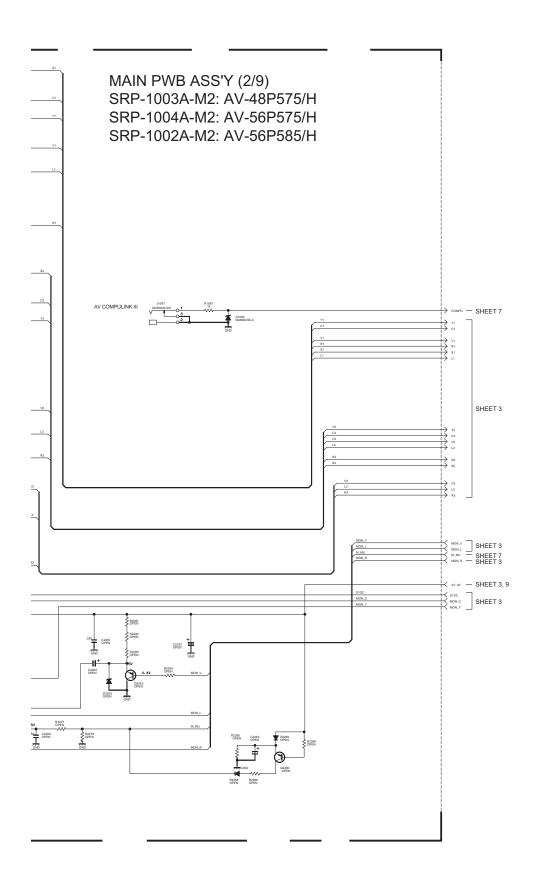




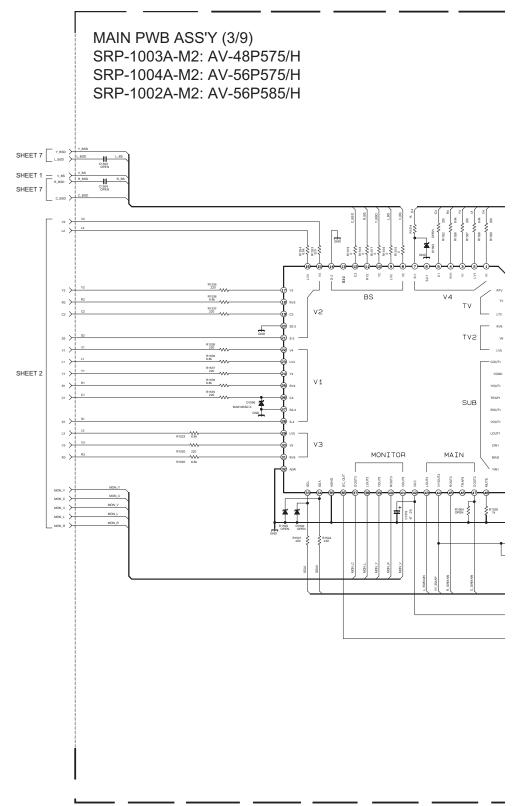
PIN NO.	DC (V)
TU1101	
1	NC
2	NC
3	4.9 NC
5	NC
6	NC
7	
8	NC NC
9	NC
10	NC 4.3
11	4.1
12 13	2.7
13	1.8 NC
15	34.1
4.0	NC
17	2
IC1101	
1	8.8
2	4.9
3 IC1140	0
	4
1	4
3	4
4	4
5	4.9
6	4.9
7	0
8	3.9
9	3.9
10	4
11	3.8
12 13	3.2
13	1.2
15	1.3
16	0
17	0
18	3.2
19	8.8 NC
20	NC
21	4
22	4
24	3.8
25	4
26	3.9
27	4
28	1.9
29	4
30	4
32	1.8
33	4
3/1	4
35	4
36	4
37	4
38	4
39 40	3.9
40	3.9
42	1.1
43	4
44	4
45	4
46	4
47	4
48	4
Q1101	0.0
E C	3.2
В	2.6
Q0701	2.0
S	2.6
D	4.4
G	3.2
Q0702	
S	2.9
D	4.2
G Q1252	3.2
Q1252	0
C	
В	-2.3 0
Q1253	
Е	0
C	0
B	-2.3
Q1254	^
E C	-2.3
B	-2.3
Q1255	
	0
E C	



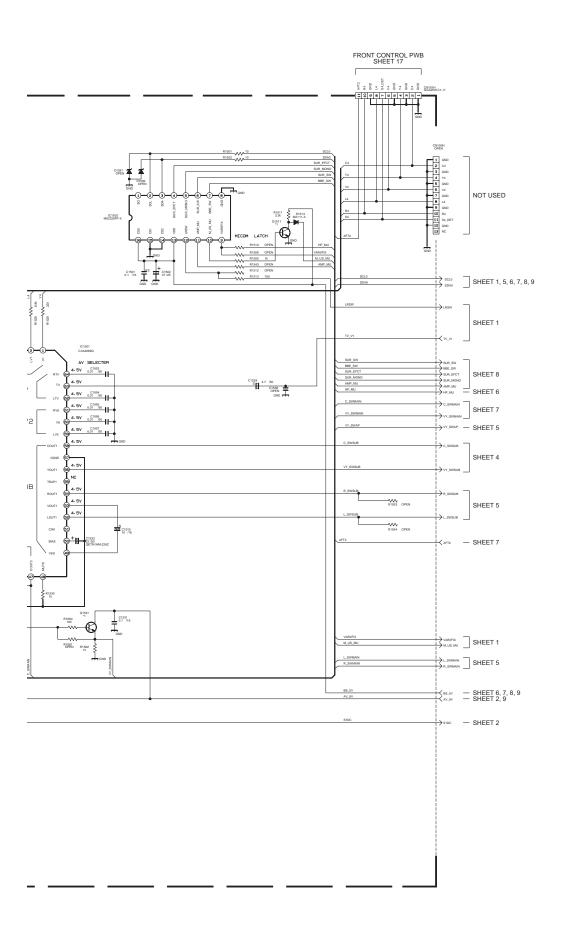
2-7 No.YA091







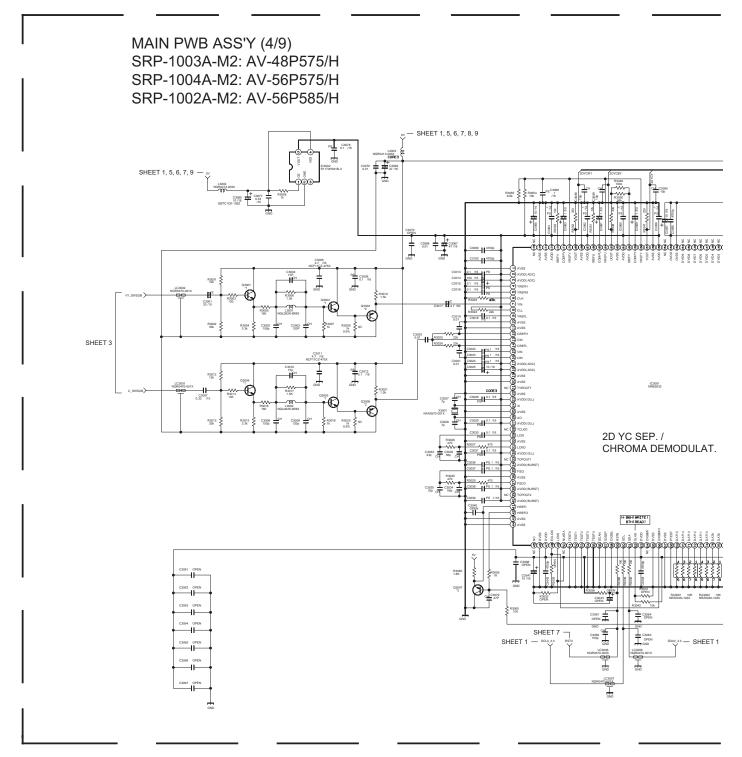
2-9 No.YA091



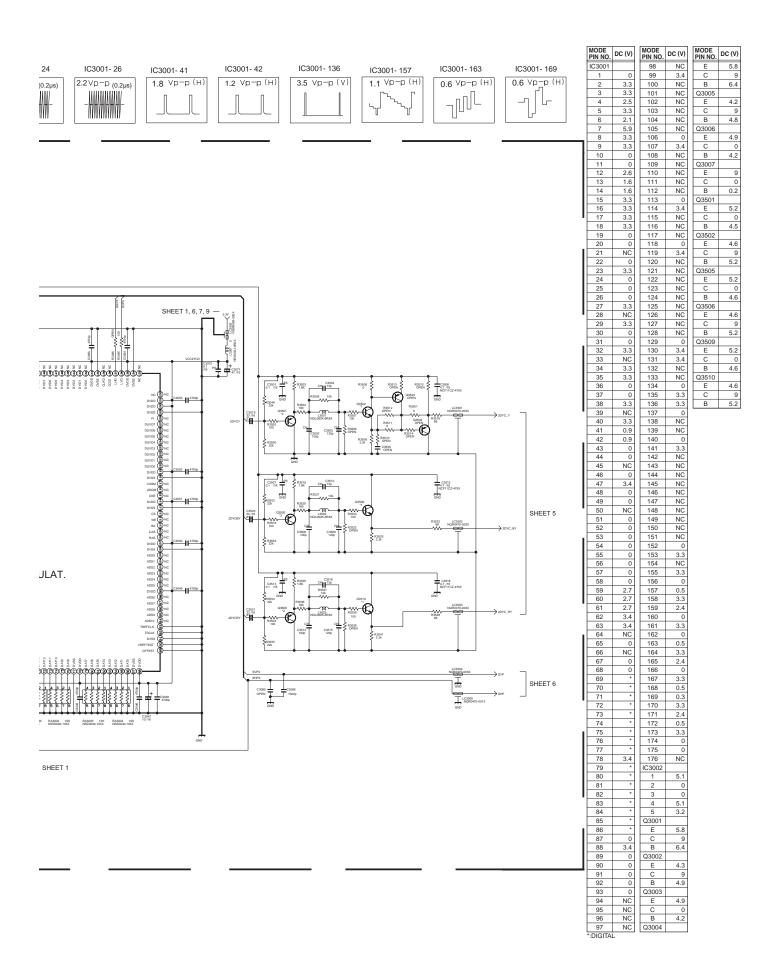
MODE PIN NO.	DC (V)
IC1501	
1	3.8
2	4.4
3	3.9
4	4.4
5	4.3
6	NC
7	4.8
8	3.9
9	4.4
10	5.1
11	4.4
12	4.3
13	NC
14	0
15	3.8
16	4.4
17	3.9
18	4.4
19	4.4
20	0
21	4.9
22	3.9
23	4.4
24	3.9
25	4.4
26	
27	0
28	4.9
29	4.4
30	3.9
31	4.4
32	0
33	4.2
34	4
35	0
36	
37	
38	4.4
39	3.5
40	4.4
41	3.3
42	9
43	4.4
44	4.3
45	4.4
46	NC
47	4.4
48	0
49	3.9
50	4.4
51	NC
52	4.4
53	3.5
54	
55	NC
56	3.1
57	0
58	4.3
59	4.4
	4.4
60	3.9
61	4.4
62	4.4
63	4.3
64	4.4
IC1502	— ··· †
1	NIC.
	NC
2	4.2
3	4.1
4	0
5	0
6	0
7	0
8	0
9	5.1
	4.5
	0
10	
10 11	
10 11 12	5.1
10 11 12 13	5.1 5.4
10 11 12 13 14	5.1
10 11 12 13 14	5.1 5.4 0
10 11 12 13 14 15	5.1 5.4 0
10 11 12 13 14 15 16	5.1 5.4 0
10 11 12 13 14 15 16 Q1511	5.1 5.4 0 0 5.1
10 11 12 13 14 15 16 Q1511	5.1 5.4 0 0 5.1 3.7
10 11 12 13 14 15 16 Q1511 E	5.1 5.4 0 0 5.1 3.7 9
10 11 12 13 14 15 16 Q1511	5.1 5.4 0 0 5.1 3.7
10 11 12 13 14 15 16 Q1511 E C	5.1 5.4 0 0 5.1 3.7 9
10 11 12 13 14 15 16 Q1511 E C B	5.1 5.4 0 0 5.1 3.7 9 4.3
10 11 12 13 14 15 16 Q1511 E C B Q1531	5.1 5.4 0 0 5.1 3.7 9 4.3
10 11 12 13 14 15 16 Q1511 E C B Q1531	5.1 5.4 0 0 5.1 3.7 9 4.3

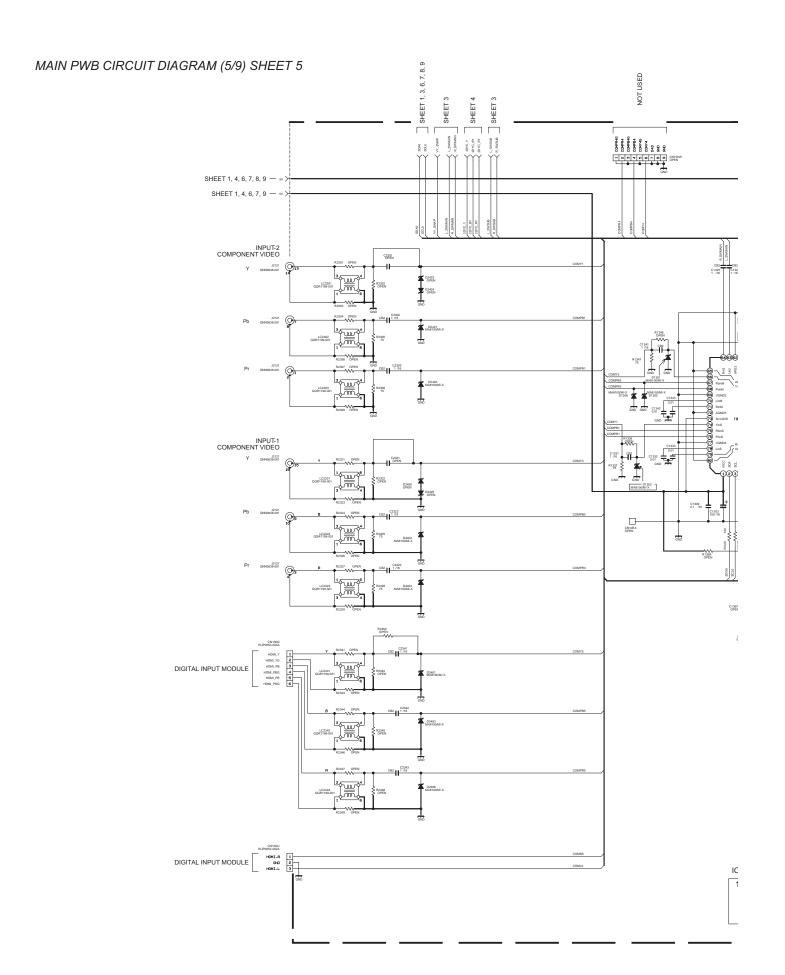




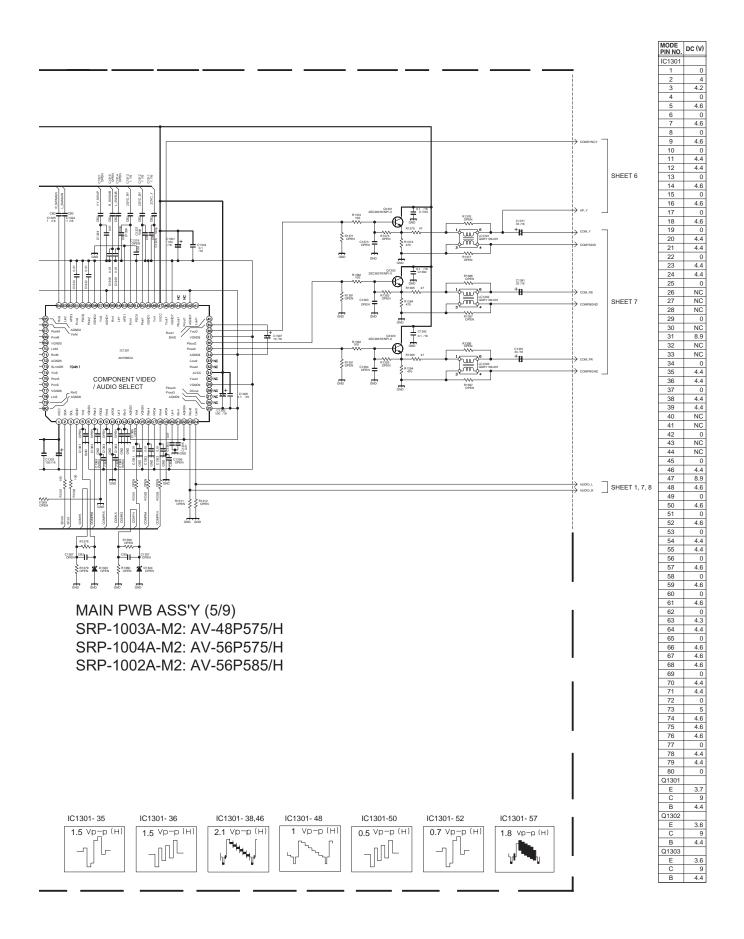


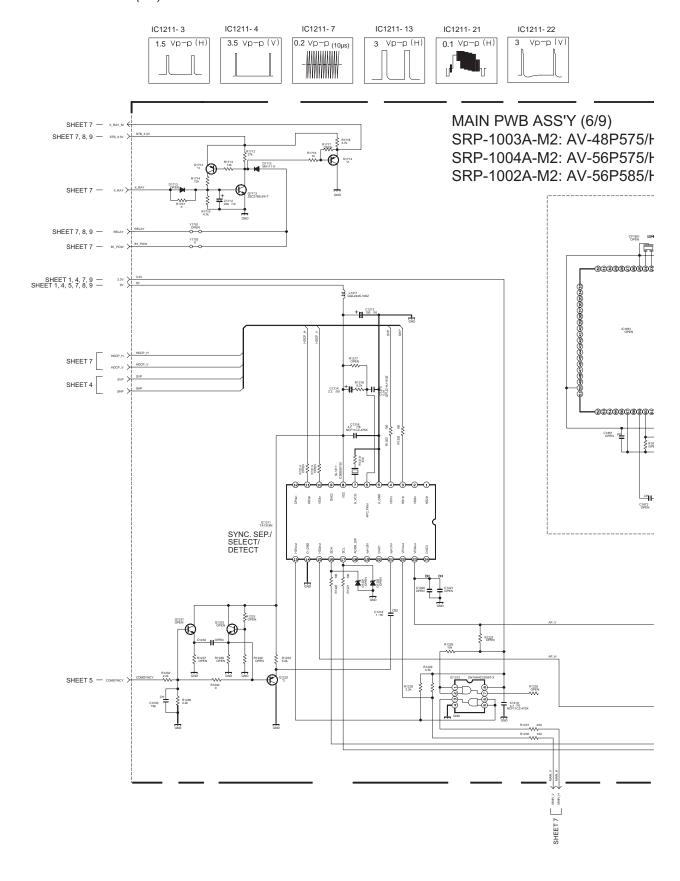
2-11 No.YA091



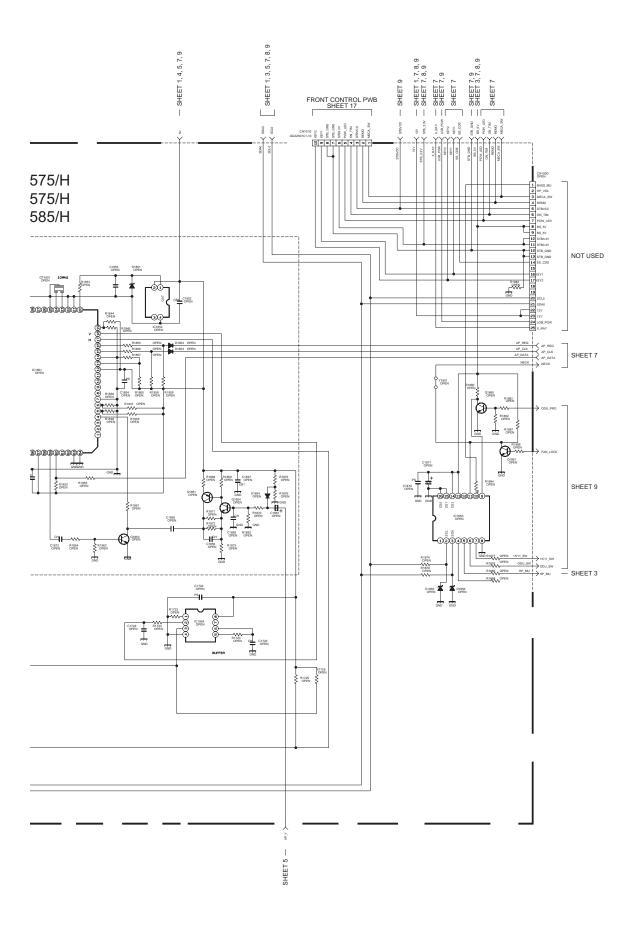


2-13 No.YA091





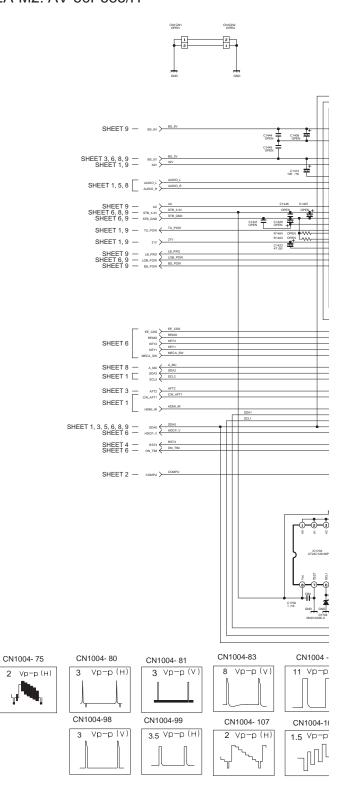
2-15 No.YA091



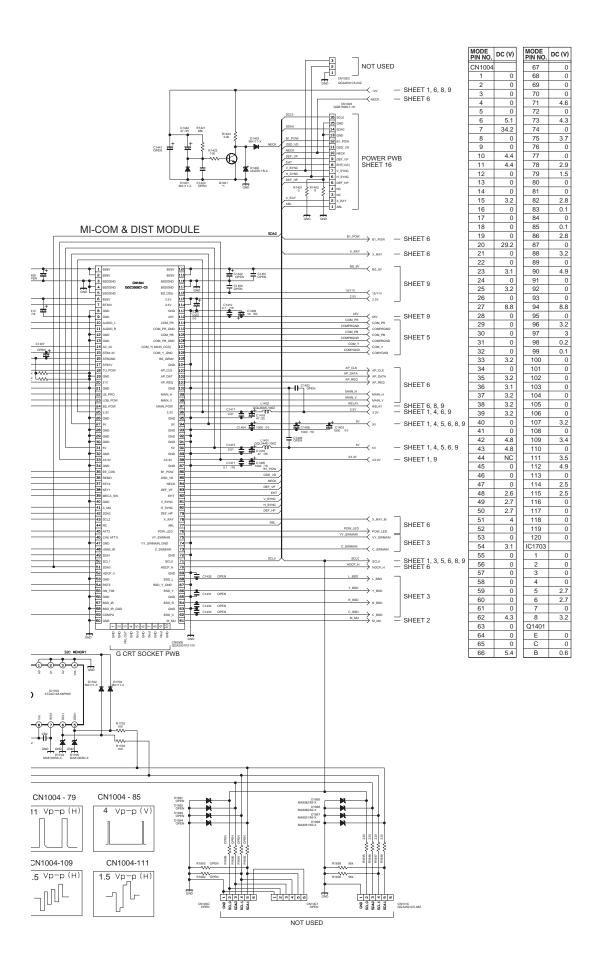
MODE PIN NO.	DC (V)
IC1211	
1	NC
2	NC
3	0.2
4	0
5	0
6	6.2
7	4.8
8	8.9
9	NC
10	0.2
11	0.3
12	NC
13	0.5
14	0.5
	-
15	0
16	4
17	4.2
18	NC
19	NC
20	NC
21	0
22	0
23	0
24	NC
IC1212	
1	3.1
2	3.1
3	0.2
4	0
5	0.5
6	0.5
7	3.3
8	3.3
Q1232	
Е	2.8
С	0
В	0
Q1712	
Е	2.9
С	5.9
В	3.2
Q1713	
E	0
C	3.2
B	6.2
Q1714	0.2
	0.0
E	2.9
C	0
В	3.2

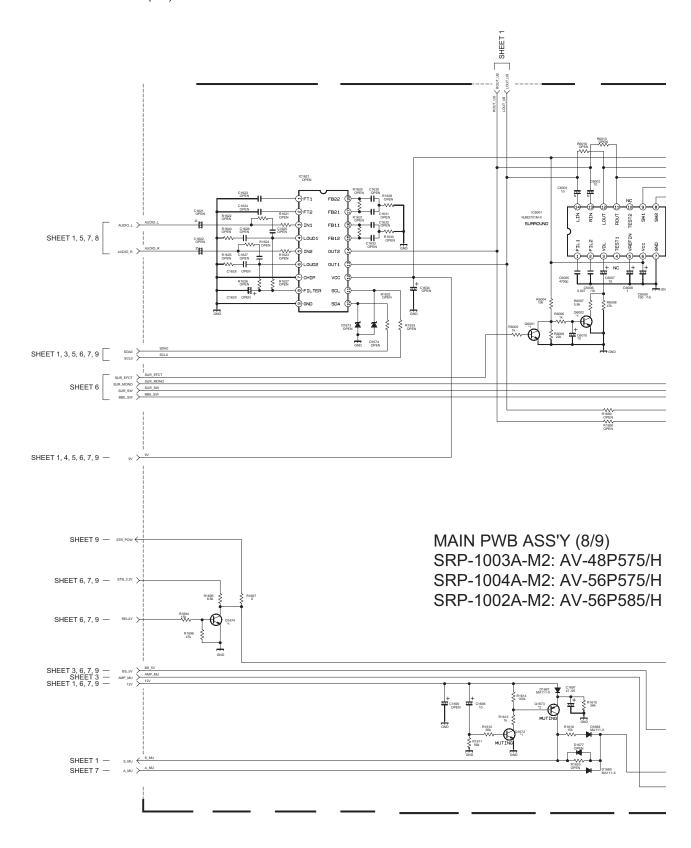
MAIN PWB ASS'Y (7/9)

SRP-1003A-M2: AV-48P575/H SRP-1004A-M2: AV-56P575/H SRP-1002A-M2: AV-56P585/H

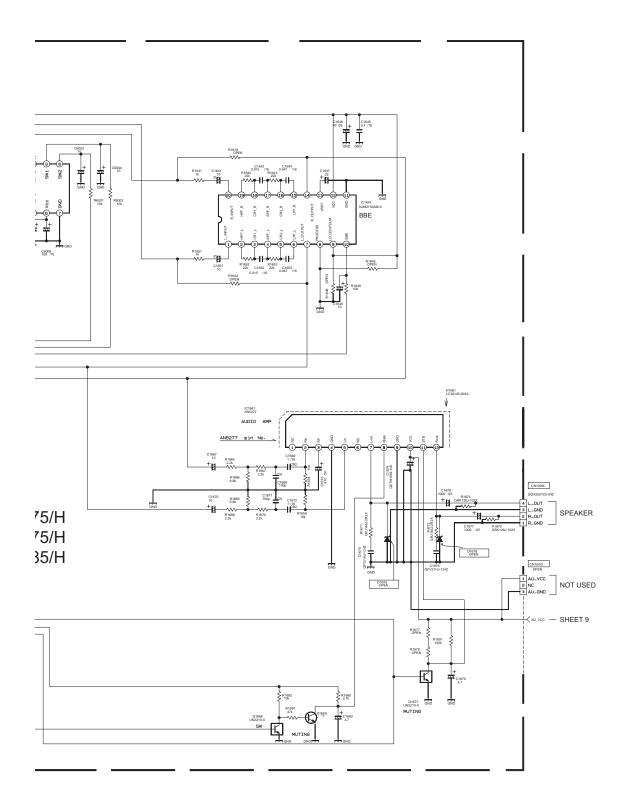


2-17 No.YA091

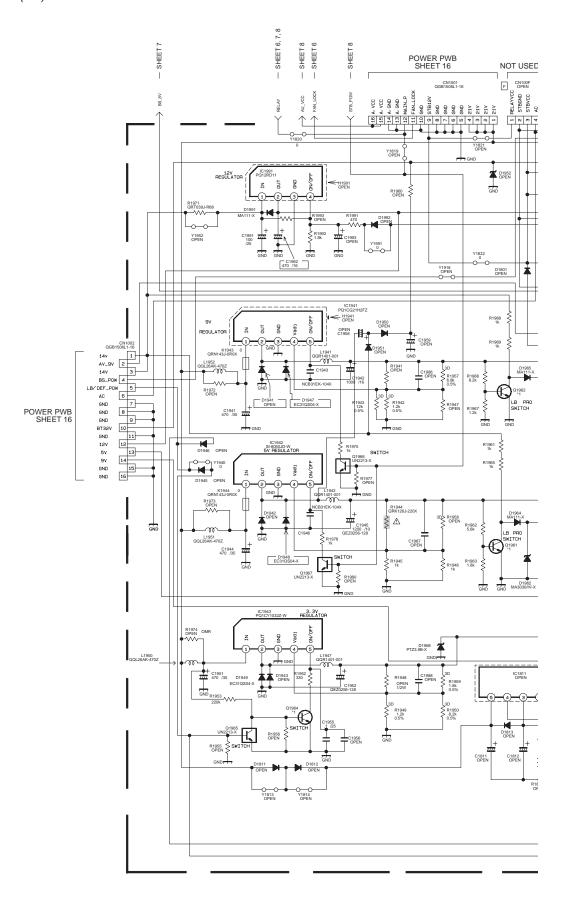




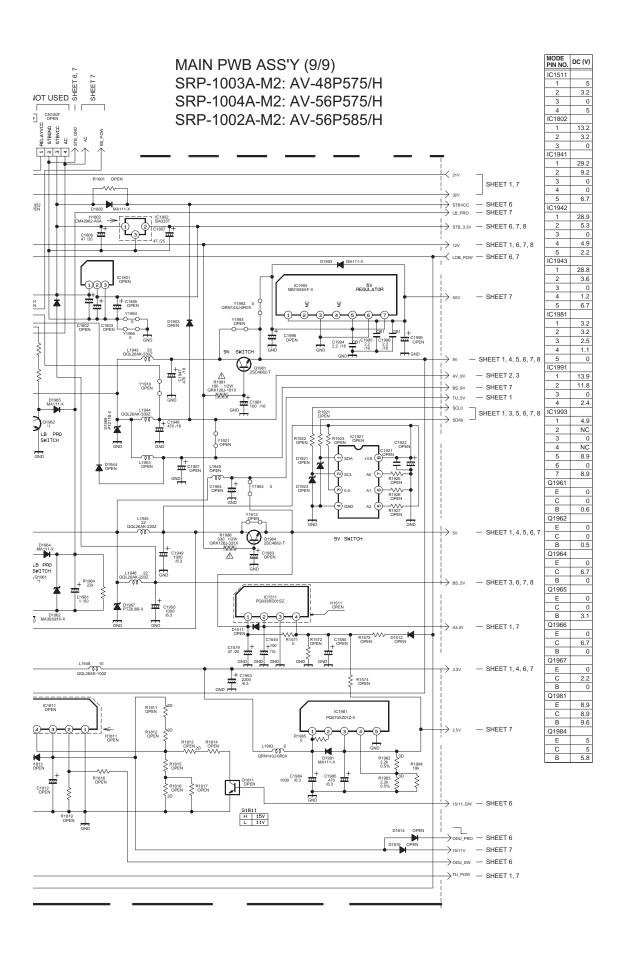
2-19 No.YA091

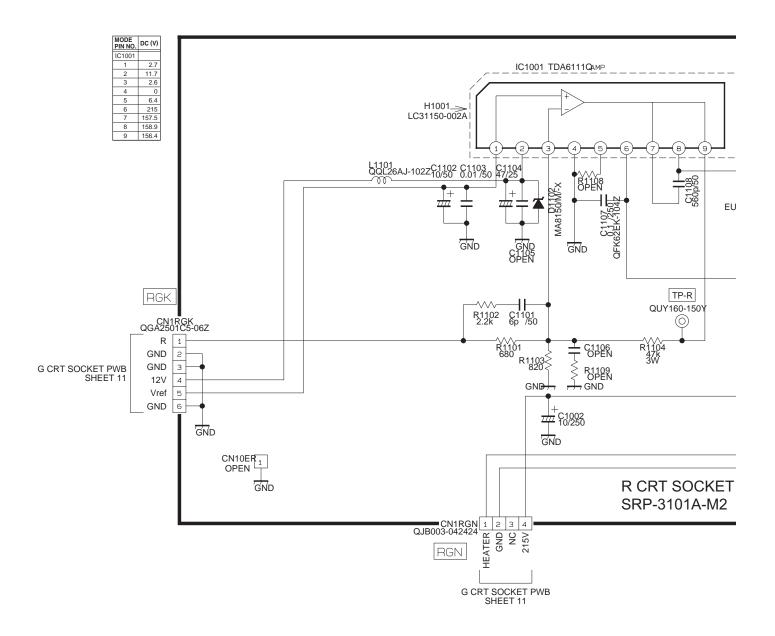


MODE PIN NO.	DC (V)
IC6001	
1	4.4
2	4.4
3	4.4
4	NC
5	1100
	4.4
6	9
7	0
8	0
9	0
10	NC
11	4.4
12	4.4
13	4.4
14	4.4
IC1641	
1	4.4
	0
3	0
4	4.4
5	4.4
6	4.4
7	0
8	0
9	0
10	4.7
11	0
	8.9
12	
13	4.4
14	4.4
15	4.4
16	4.4
17	4.4
18	4.4
19	4.4
20	4.4
IC1661	
1	NC
2	0
3	29.3
4	0
5	0
6	NC
7	14.5
8	0
9	0
10	30.9
11	10.2
12	14.5
Q6001	
E	0
С	11.3
В	0
	0
Q6002	
E	0
С	0
В	0.6
Q1668	
E	0
С	0
В	2.5
Q1669	
	0
	_
Е	
	4.6
E C B	4.6 -0.4
E C B Q1671	-0.4
E C B	-0.4
E C B Q1671	-0.4
E C B Q1671 E	-0.4 0 10.2
E C B Q1671 E C	-0.4
E C B Q1671 E C B	-0.4 0 10.2 3.2
E C B Q1671 E C	-0.4 0 10.2 3.2
E C B Q1671 E C B Q1672 E	-0.4 0 10.2 3.2 0 11.6
E C B Q1671 E C B Q1672 E C	-0.4 0 10.2 3.2
E C B Q1671 E C B Q1672 E C B Q1672	-0.4 0 10.2 3.2 0 11.6
E C B Q1671 E C C B C C B Q1672 E C B Q1673 E	-0.4 0 10.2 3.2 0 11.6 0
E C B Q1671 E C C B Q1672 E C B Q1673 E C C	-0.4 0 10.2 3.2 0 11.6 0
E C B Q1671 E C C B Q1672 E C B Q1673 E C C B	-0.4 0 10.2 3.2 0 11.6 0
E C B Q1671 E C C B Q1672 E C B Q1673 E C C	-0.4 0 10.2 3.2 0 11.6 0
E C B Q1671 E C B Q1672 E C B Q1673 E C B Q1673 E C B Q1674	-0.4  0 10.2 3.2  0 11.6 0 0 11.6
E C B Q1671 E C C B Q1672 E C B Q1673 E C C B	-0.4 0 10.2 3.2 0 11.6 0

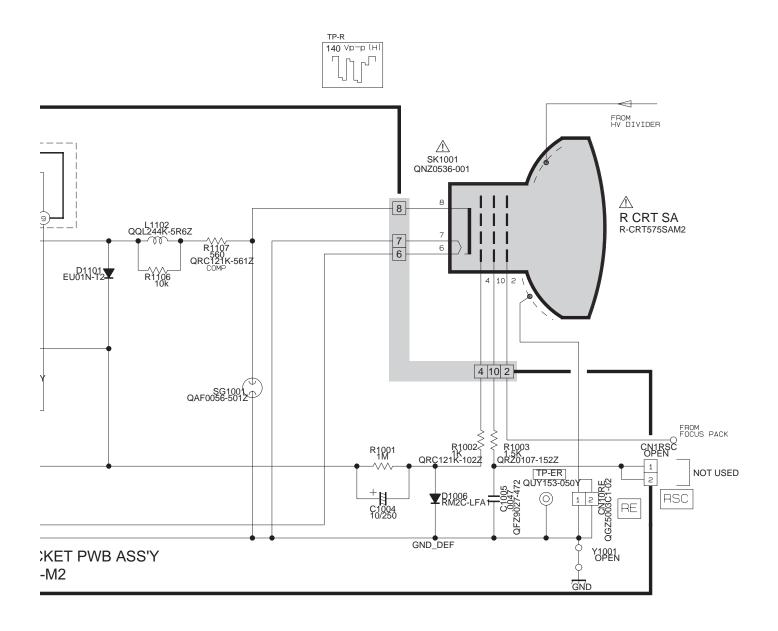


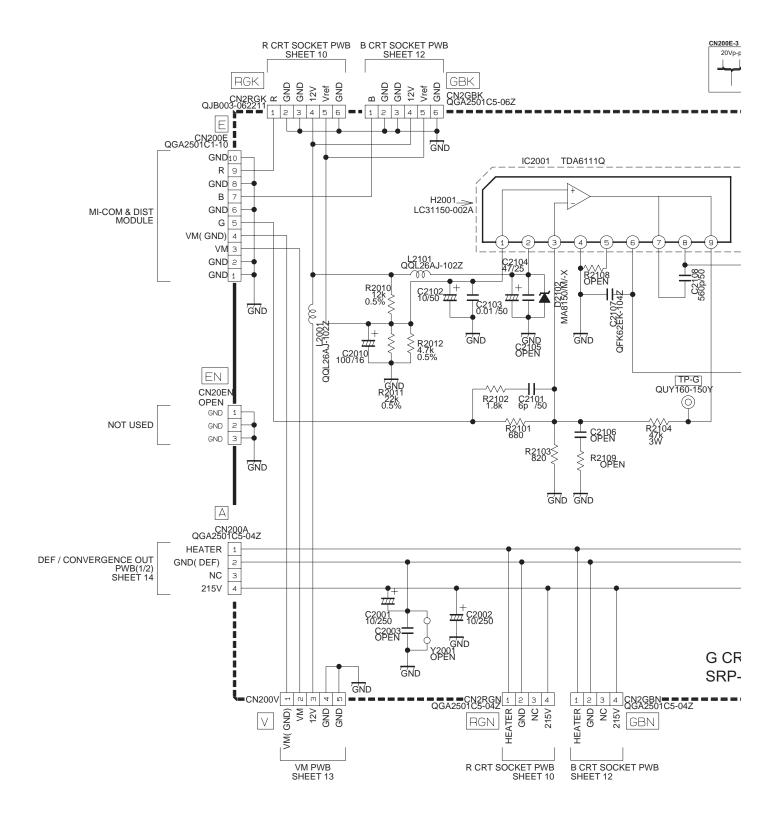
2-21 No.YA091



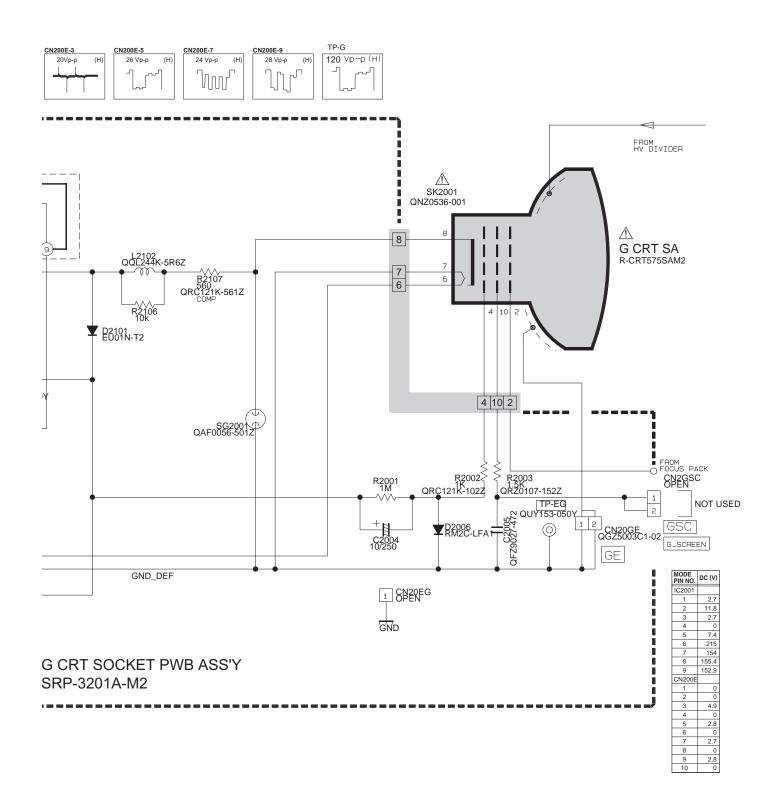


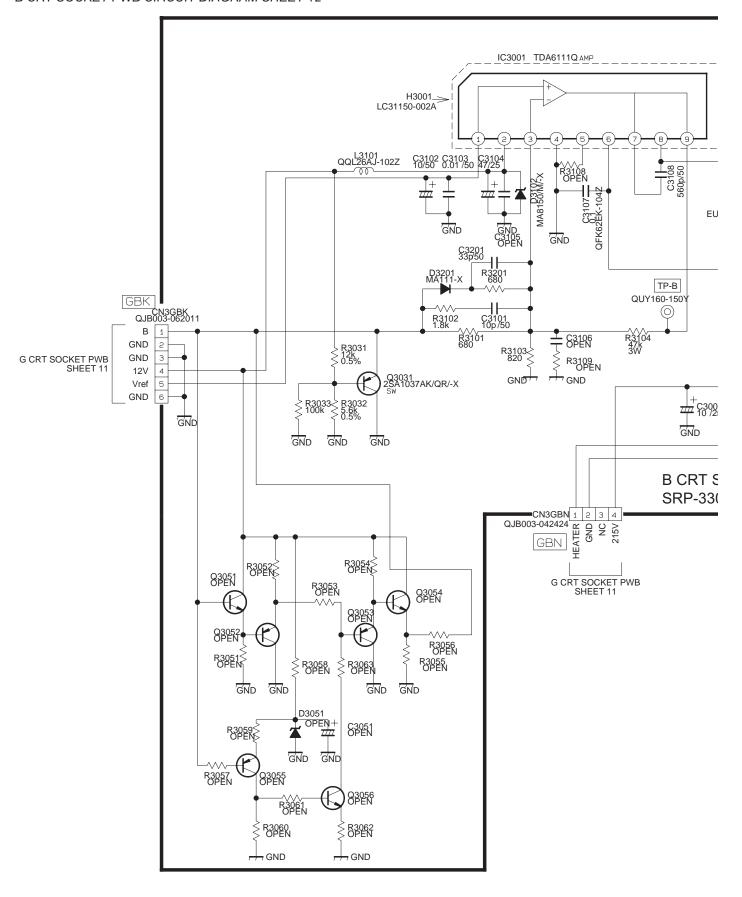
2-23 No.YA091



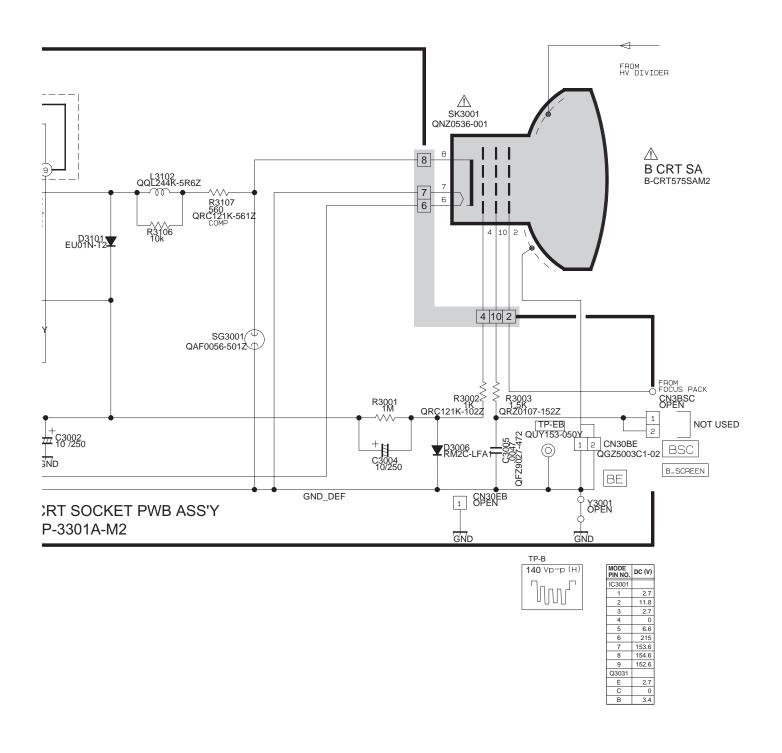


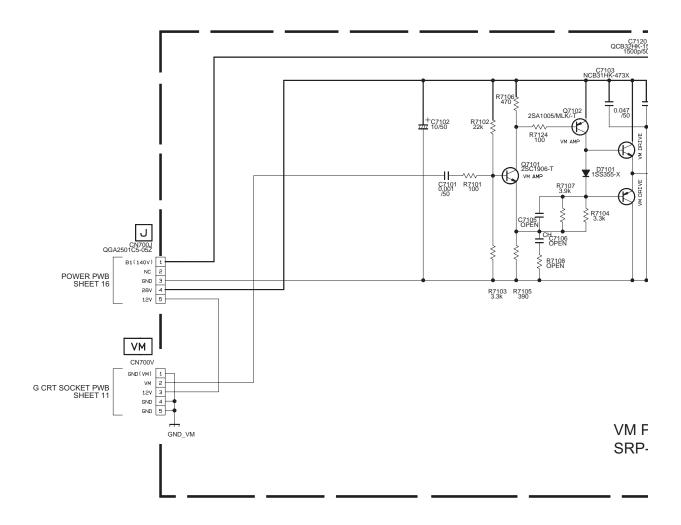
2-25 No.YA091



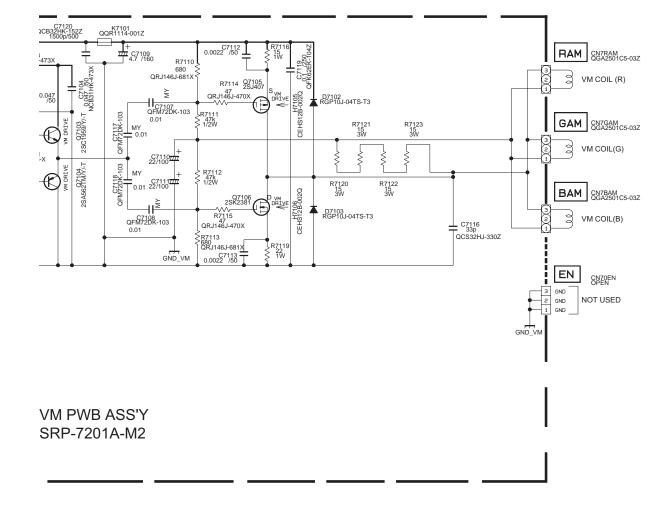


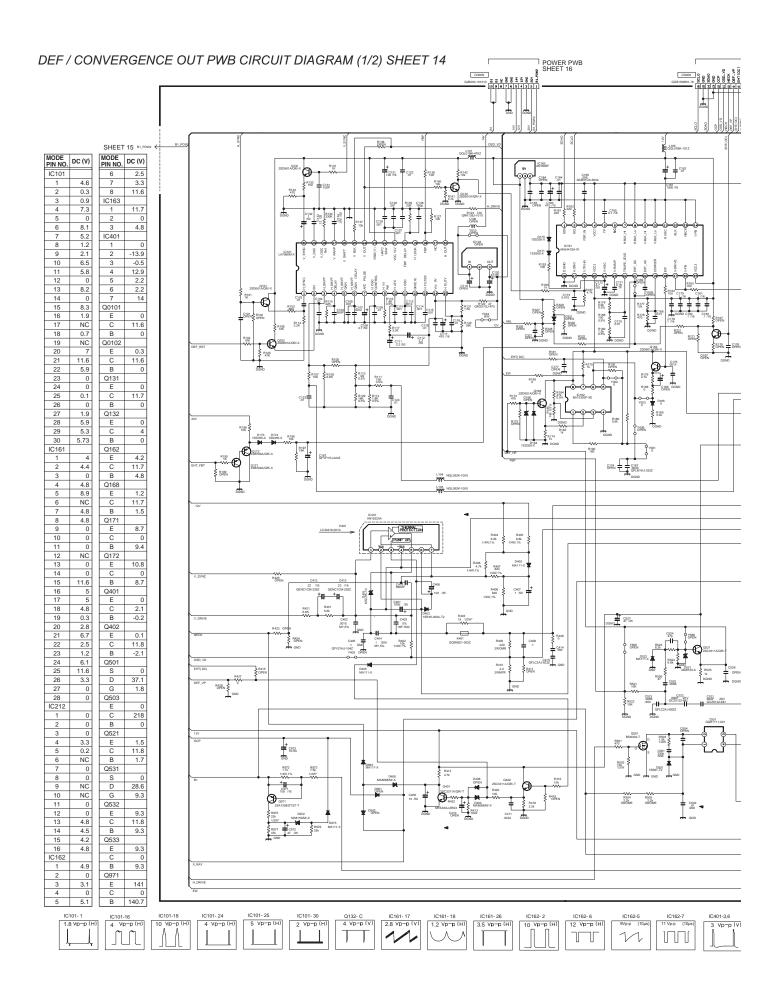
2-27 No.YA091



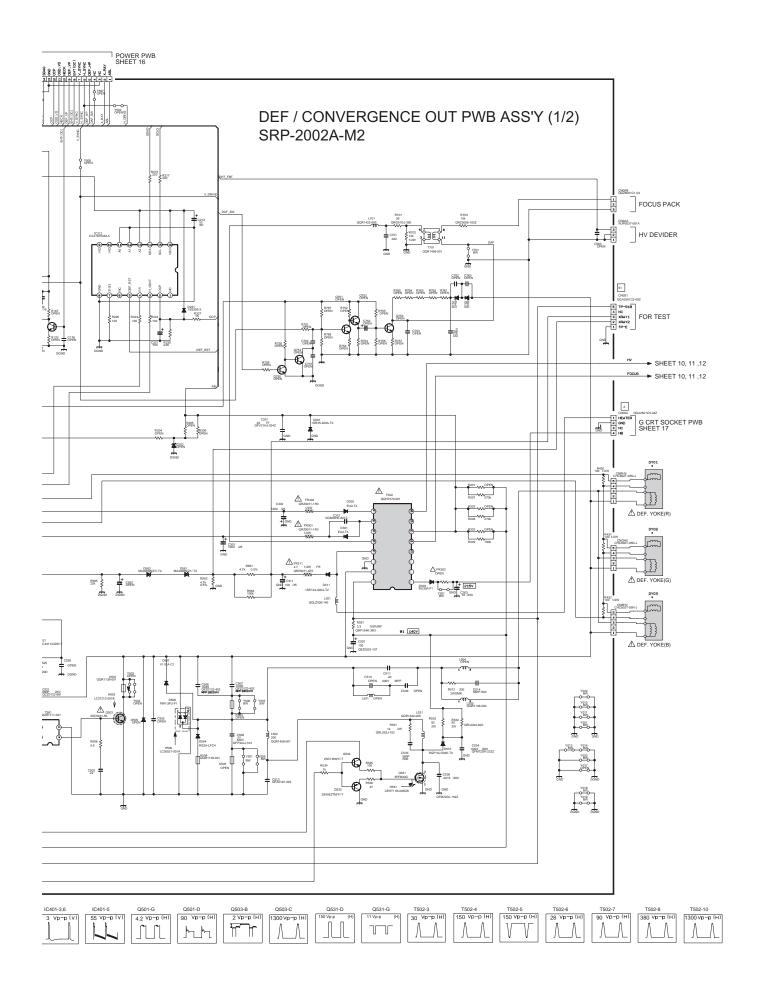


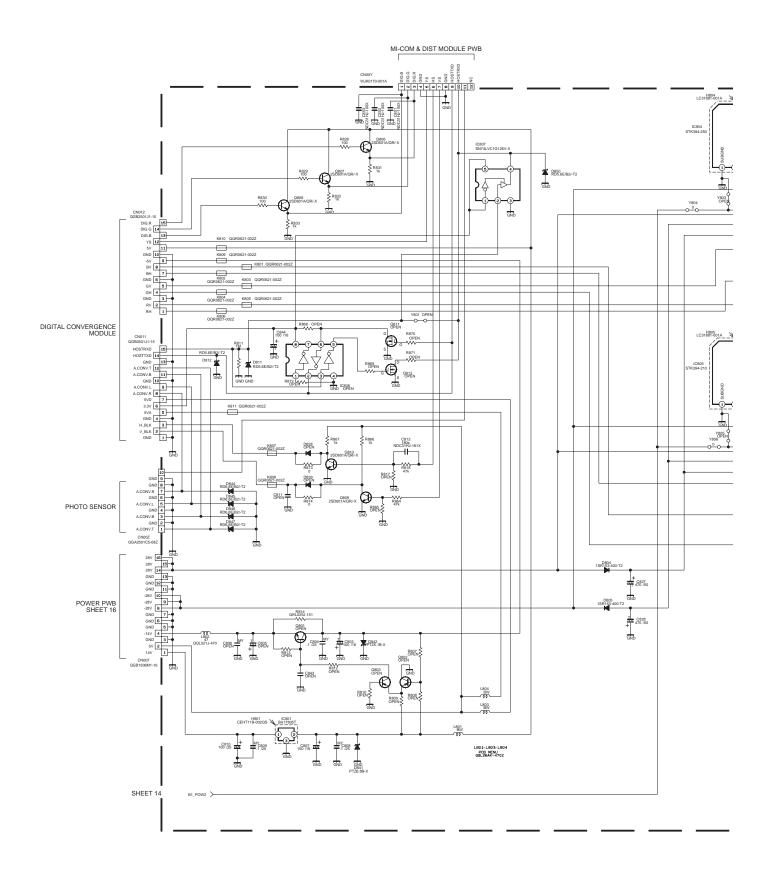
2-29 No.YA091



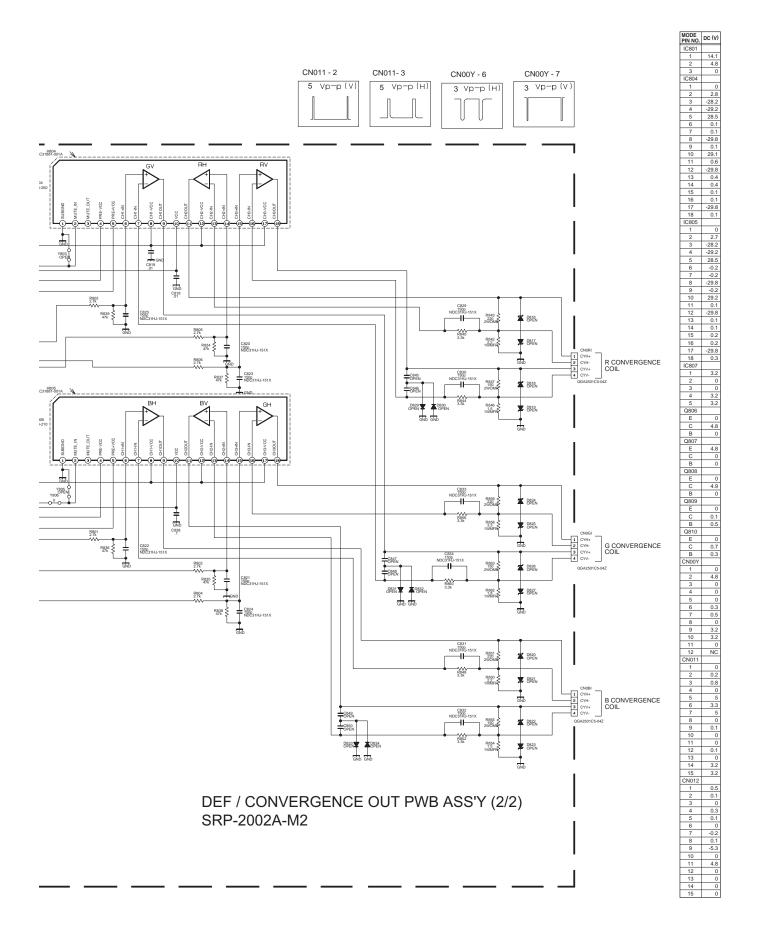


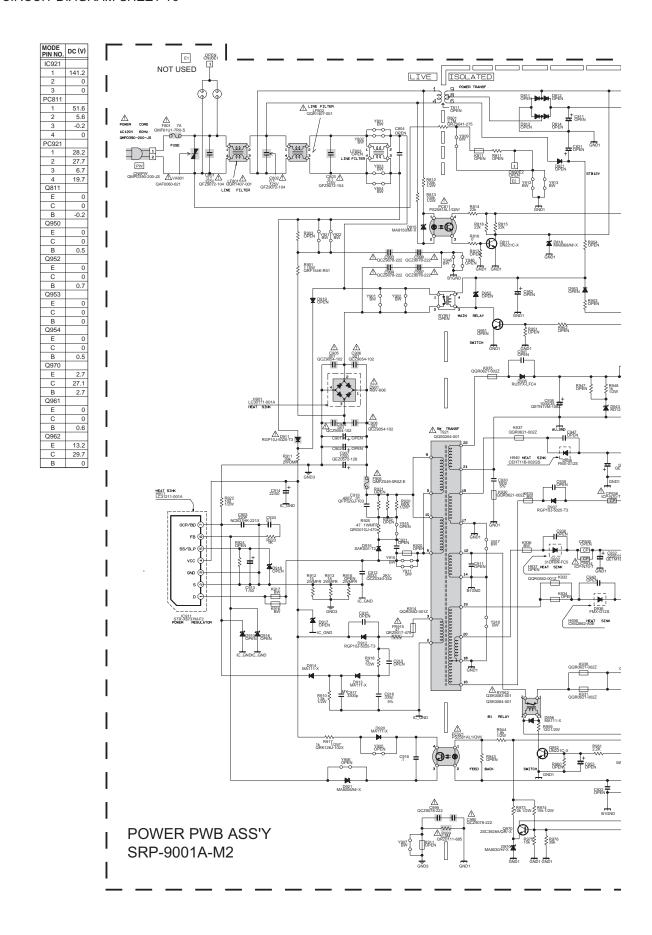
2-31 No.YA091



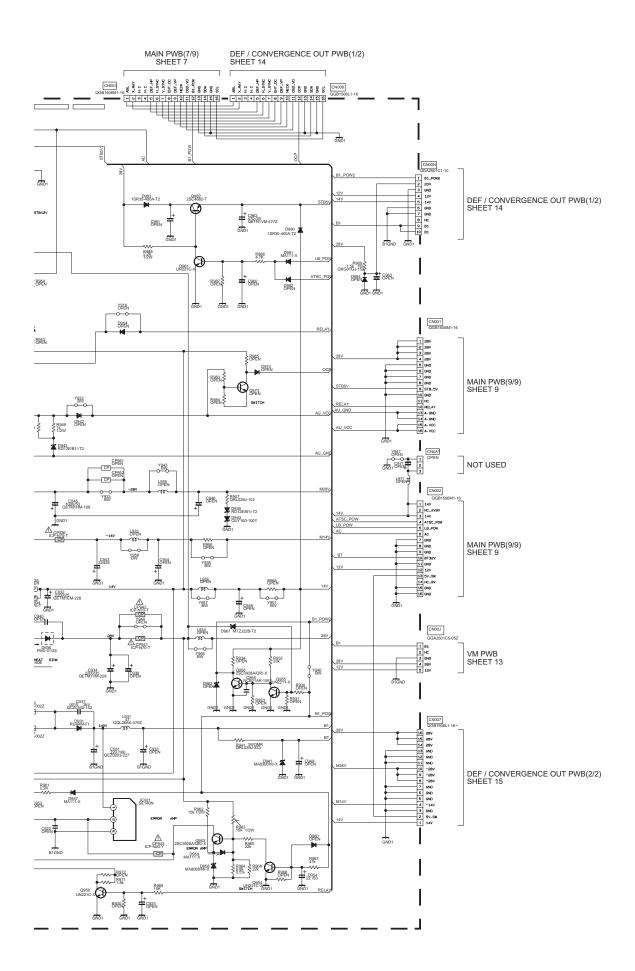


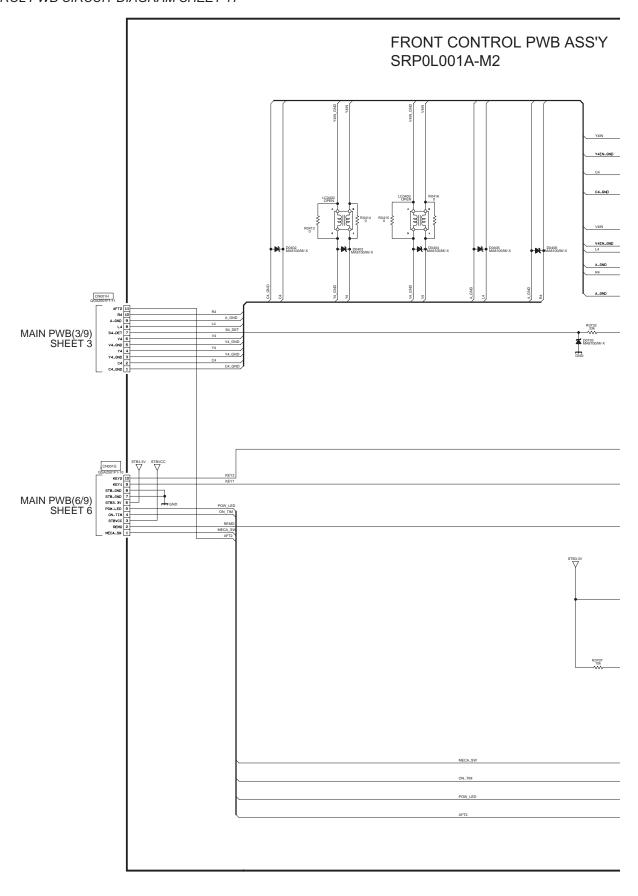
2-33 No.YA091



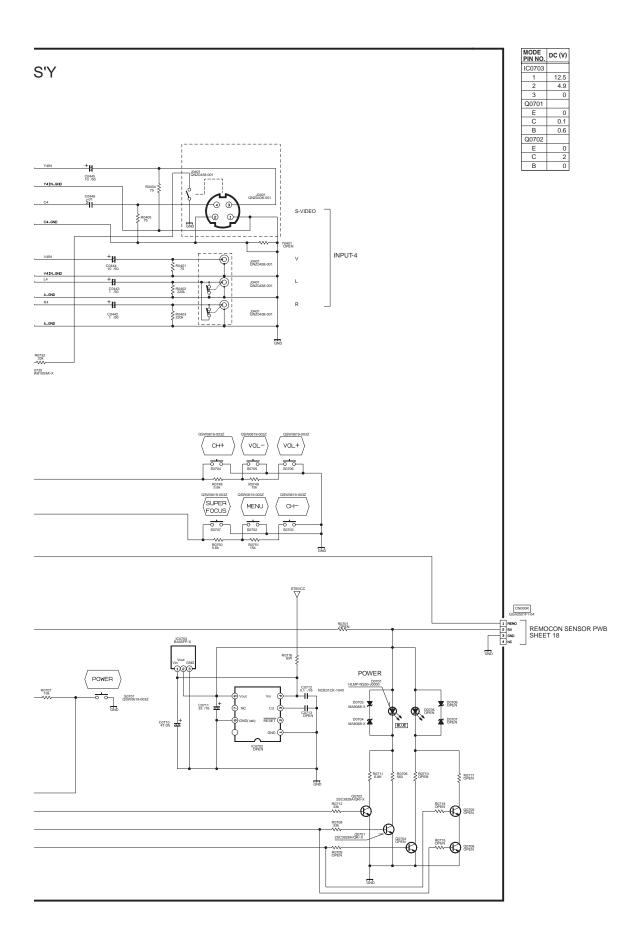


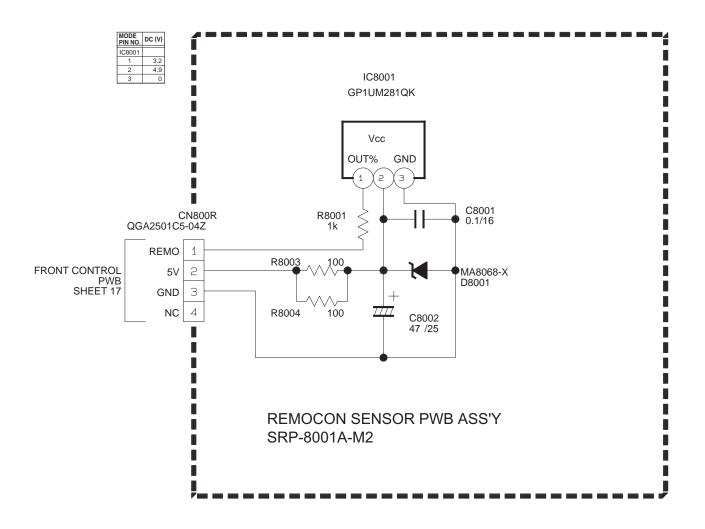
2-35 No.YA091





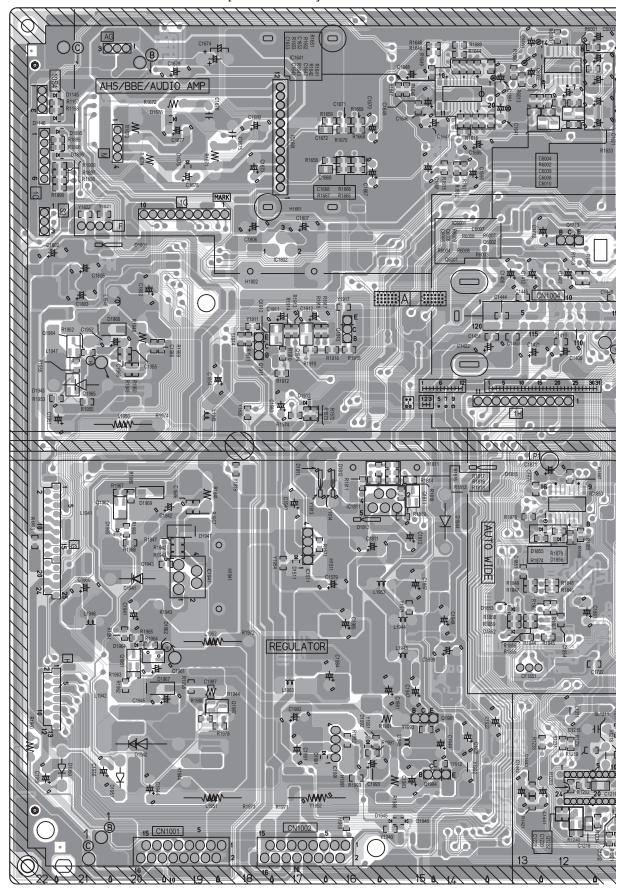
2-37 No.YA091





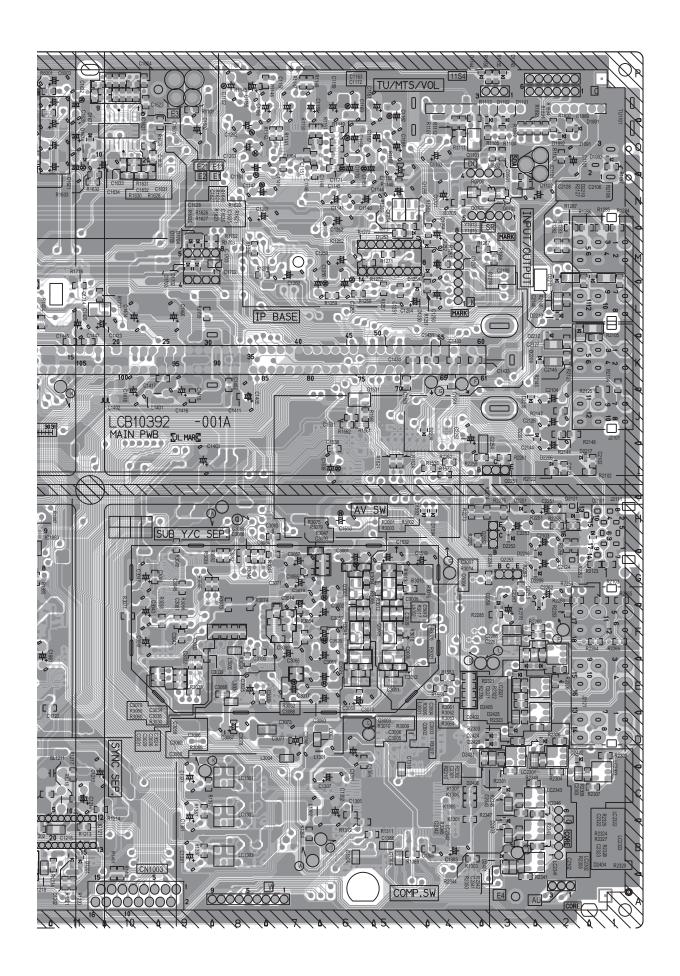
2-39 No.YA091

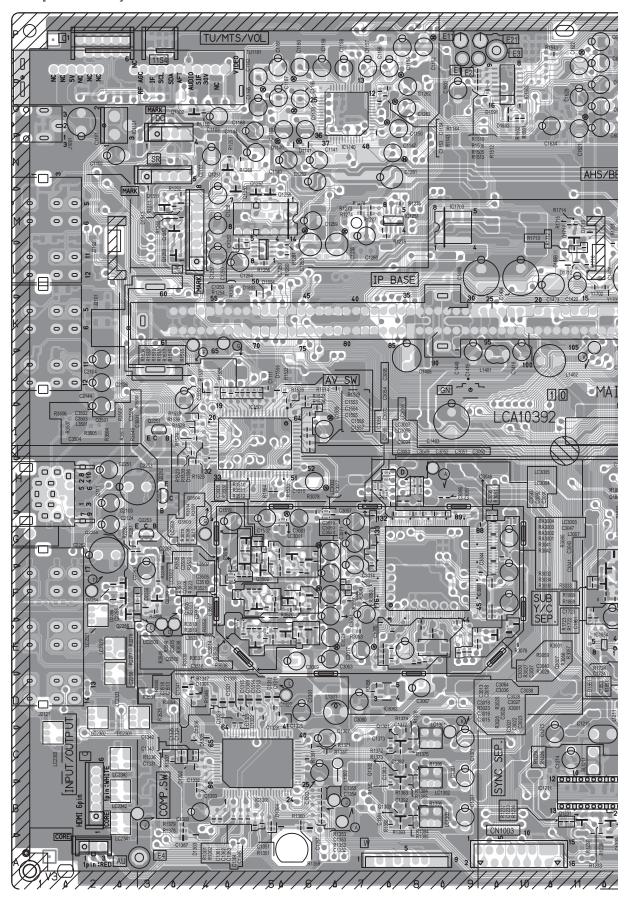
### PATTERN DIAGRAMS MAIN PWB PATTERN [SOLDER SIDE]



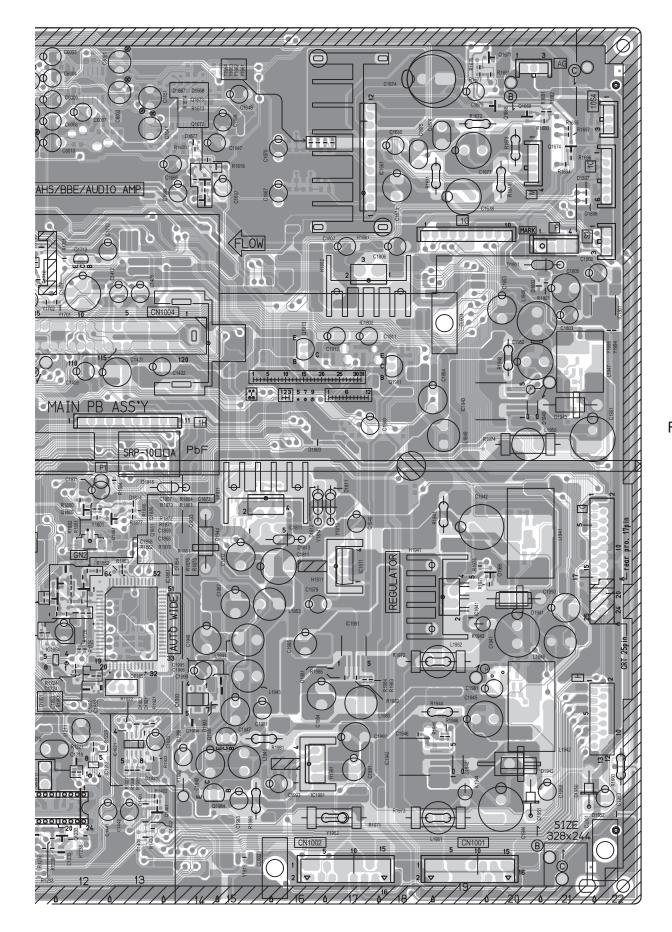
FRONT

2-41 No.YA091

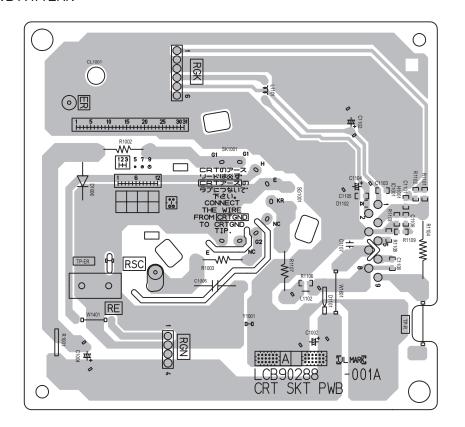




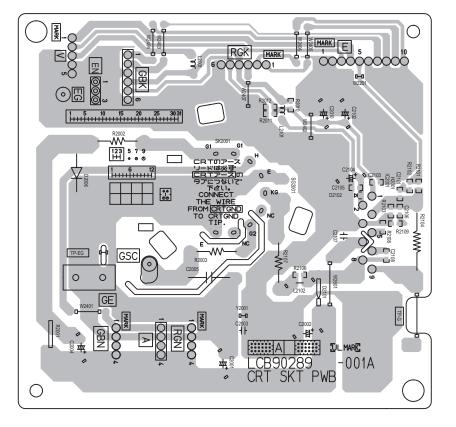
2-43 No.YA091



FRONT



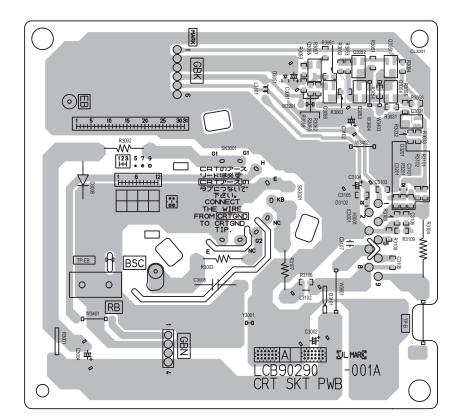
#### G CRT SOCKET PWB PATTERN



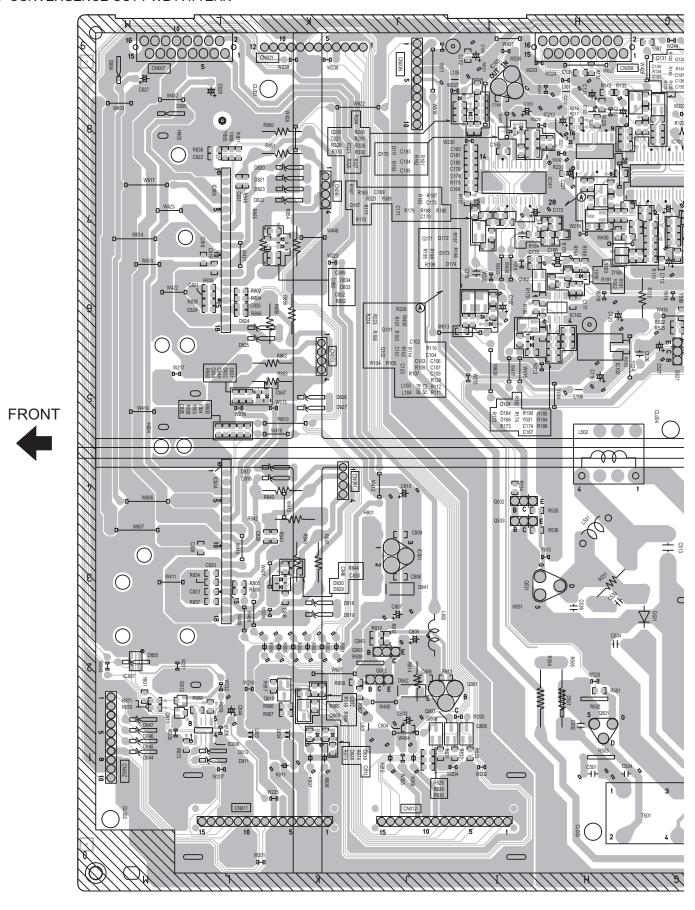


TOP

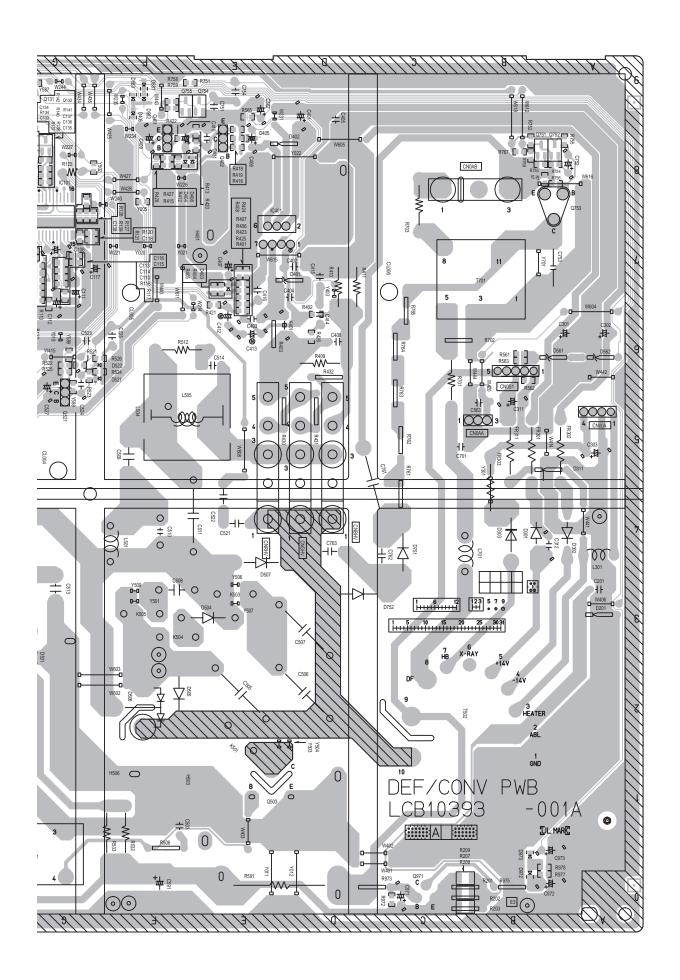
2-45 No.YA091

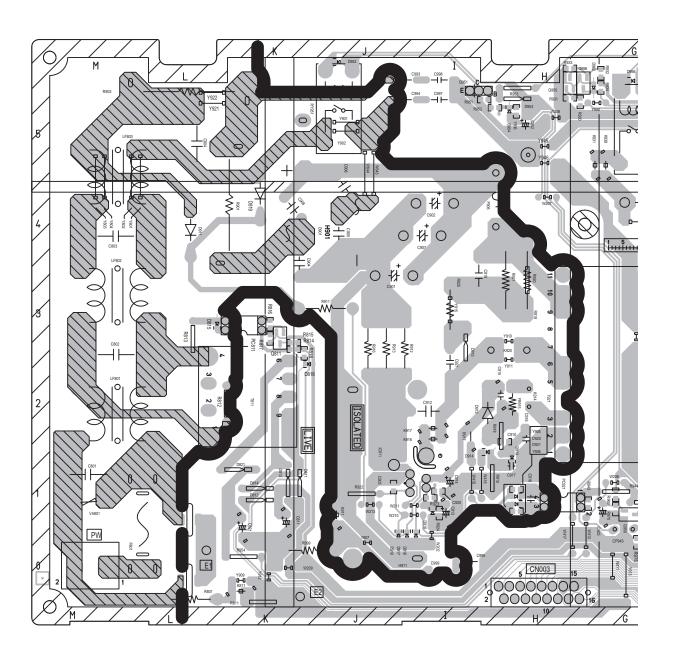




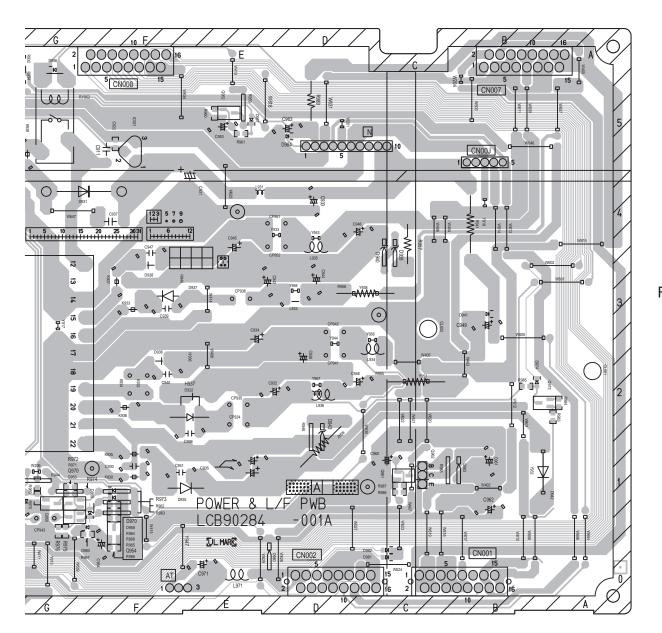


2-47 No.YA091



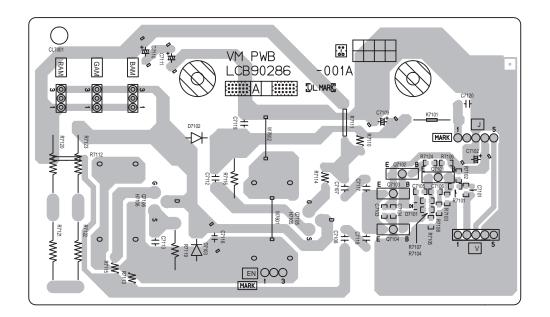


2-49 No.YA091



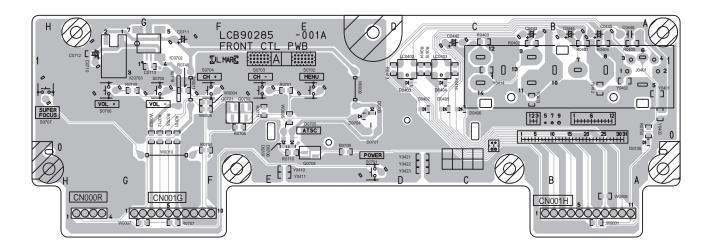
FRONT



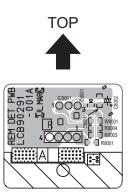


2-51 No.YA091





#### REMOCON SENSOR PWB PATTERN



## **CHANNEL CHART (US)**

MODE		DAND	CHANNEL		TUNER
TV	CATV	BAND	REAL	DISP.	BAND
0	0	VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12 13		П
			A B	14 15	I
×		MID	C D E F G H	16 17 18 19 20 21	
	0	SUPER	J K L M N O P Q R S T U V W	23 24 25 26 27 28 29 30 31 32 33 34 35 36	П
			W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11	37 38 39 40 41 42 43 44 45 46 47	
		HYPER	W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+23 W+24 W+25 W+26 W+27 W+28	48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	IV
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	

MODE		BAND	CHANNEL		TUNER
TV	CATV	BAND	REAL	DISP.	BAND
X		ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+48 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+56 W+57 W+60 W+61 W+62 W+63 W+64 W+65 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+76 W+77 W+78 W+79 W+80 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV
		SUB MID	A-8 A-4 A-3 A-2 A-1	01 96 97 98 99	I
0	X	UHF	14 ¿ 69		IV
TOTAL 180CH { VHF 124CH { UHF 56CH					
NOTE: TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES. SPECIAL ADAPTERS MAY BE REQUIRED.					

2-53 No.YA091

## CHANNEL CHART (CA)

MODE		DAND	CHANNEL		TUNER
TV	CATV	BAND	REAL	DISP.	BAND
0 0		VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12 13		
		MID	A B C D E F G H	14 15 16 17 18 19 20 21	Ш
			J K M N O	23 24 25 26 27 28	
X		SUPER	P Q R S T U V W	29 30 31 32 33 34 35 36	
	HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11 W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+28 W+29	37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65	Ш	
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	IV

MODE TV CATV		BAND	CHANNEL		TUNER	
			REAL	DISP.	BAND	
X	CATV	ULTRA	W+35           W+36           W+37           W+38           W+39           W+40           W+41           W+42           W+45           W+46           W+47           W+48           W+50           W+51           W+52           W+53           W+56           W+57           W+58           W+60           W+61           W+62           W+63           W+65           W+66           W+67           W+70           W+71           W+72           W+73           W+76           W+77           W+80           W+81           W+82           W+83           W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV	
		CLID	A-8 A-4	01 96	I	
		SUB MID	A-3 A-2 A-1	97 98 99	II	
0	×	UHF	14 ¿ 69		IV	
TOTAL 180CH { VHF 124CH { UHF 56CH						
NOTE: TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES. SPECIAL ADAPTERS MAY BE REQUIRED.						

# JVC SERVICE & ENGINEERING COMPANY OF AMERICA DIVISION OF JVC AMERICAS CORP.

www.jvcservice.com(US Only)

#### JVC CANADA INC.

Head office : 21 Finchdene Square Scarborough, Ontario M1X 1A7 (416)293-1311



